# EUREKA
## *Institute*

Alumni Day
October 24th 2011
Utrecht, The Netherlands

UTRECHT

Foto: Ramon Mosterd

From the Organising Alumni

## DEAR FRIENDS,

On behalf of the board of Eureka and the organising committee of the Alumni day we welcome you to Utrecht. We are very pleased that so many of you made the trip to Utrecht for "a Day to Digest", Eureka's first Alumni day.

This day marks a pivotal milestone in our short history. Today we will lay the foundation for a strong and sustainable network built by Eureka for Eureka, based on your specific needs.

This Alumni day has been organised by both board and alumni. Fitting Eureka's philosophy, you will shape today's program and the network yourself. We are very confident that this will be a guarantee for success.

Looking forward to a very special day,

*Louis Bont, Christoph Licht, Anne Marie van Rossum, Rogier Thurlings on behalf of the Eureka Alumni*

*Salvo Albani, Jessica Colomb, Norm Rosenblum & Berent Prakken on behalf of the Eureka Board & Faculty*

## CONTENT



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# NOTES OF WELCOME

## Dear EUREKA Alumni,

It is my great pleasure to welcome you in Utrecht. The University Medical Center Utrecht greatly appreciates EUREKA, because it provides a unique Curriculum and a high-quality network to achieve excellence in Translational Medicine. I recognize that it fills the gap between different biomedical disciplines, which will ultimately lead to new discoveries in the interest of our patients. Our center takes pride in hosting the first EUREKA Alumni day in Utrecht.

I wish all participants an inspirational day, and look forward to meeting you all in person on October 24th.

*Jan Kimpen*
*Chairman of the*
*Executive Board of the University Medical Center Utrecht.*

Foto: Jeppe van Pruisen

Support

## COLOPHON AND CREDITS

Edited and compiled by The Eureka Institute for Translational Medicine. Lay out Barbara Hagoort, Multimedia, UMC Utrecht. Special thanks to Ingrid Lether, Chong Yap Seng and Jessica Colomb for providing pictures.

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## ACKNOWLEDGEMENTS

We thank the kind support of the Board of the University Medical Center Utrecht (UMC Utrecht); the department of Paediatrics and the department of Paediatric immunology of the UMC Utrecht, Danone, the Dutch Arthritis Association, Pfizer, GlaxoSmithKline, Abbott, the Sanford-Burnham Medical Research Institute and Nature Medicine for the organisation of this day. We are deeply appreciative of the Faculty participating in the 2011 Alumni Day Program Program, who are generously donating their time and expertise. We are also grateful for the time and effort contributed by our board, which includes Salvo Albani, David Hafler, Janet Hafler, Juan Carlos Lopez, Berent Prakken, Norm Rosenblum, and Vicki Seyfert-Margolis.

We also thank the Alumni involved in the organisation of the 2011 Alumni day, especially Jeffrey Beekman, Louis Bont, Imo Hoefer, Christoph Licht, Anne Marie van Rossum and Rogier Thurlings.

We want to recognize the extraordinary effort of Erica Roks for her organizational contributions, and of Jessica Colomb for her driving force in organizing this day.

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# ON TRANSLATIONAL MEDICINE AND EUREKA

Translational medicine is defined as the continuum from an idea to its evolution into new therapies and tools for use in human diseases. The field traverses molecular medicine, intellectual property, financing, regulation, preclinical and clinical trial studies, among other disciplines.

## Mission and Vision of the Eureka Institute

Our **mission** is to develop a community of translational medicine professionals equipped to catalyze the application of discoveries for the benefit of human health.

Our **vision** is to build and foster a community to advance biomedical innovation.

## Challenges in Translational Medicine

Several challenges affect translating therapeutic strategies from 'bench side' discovery to 'bedside' use. Among the most adverse obstacles are:

1. advancing discoveries from basic science into clinical studies;
2. moving beyond clinical studies into therapies;
3. fragmentation and isolation within and among the different dimensions / fields;
4. the current training of scientists, physicians and industry leaders is not done collaboratively in one program.

In addition, the field lacks training that integrates the span of skills and knowledge in one setting and with an international focus.

## Eureka's strength lies:

1. in its partners, which include internationally recognized institutions;
2. in its membership, which is comprised of internationally recognized authorities;
3. in its programmatic design, which: i) inherently fosters personal skill development to catalyze the next generation of professionals to advance the field; ii) is designed to provide hands-on perception of the whole span of the translational research itinerary rather than focusing on a limited part of it
4. in its ability to nurture community, which has the potential to invigorate dialogue and contribute to positive change within and among the components comprising the field.

Foto: Ramon Mosterd

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# UTRECHT AND ITS UNIVERSITY

Utrecht is one of the oldest university cities of Europe. Just like Siracusa, home of the Euereka Institute it has classical (Roman) roots, though obviously not as deep. A Roman army camp, Trajectum ad Rhenum, founded 50 B.C., formed the first occupation of Utrecht. Their camp was located precisely at the Domplein, the cathedral square, will be held. Beneath the pavement of Domplein (Dom Square), almost exactly at the spot where the Eureka alumni is held, lies the foundation of Utrecht. Two thousand years ago, soldiers stood guard here, protecting the northern border of the Roman Empire. At night time, close to the Faculty club you can still discover the former location of the walls of this fortress through mysterious projections which lights up the mists of the past every 15 minutes (http://www.trajectumlumen.nl/en).

Utrecht University also has a long history. Long-established gardens, old buildings and historical street names remind us of the University's earlier periods. Utrecht University focuses on the future, but at the same time values its past, keeping and cherishing its history in library collections, museums, accessible databases and active historiography. Though Utrecht University was officially founded in 1636, the basis of the University was already laid in the seventh century, when the Irish monk Willibrord of Utrecht founded a Catholic city and later set up a school for the future priests and noble young men of Utrecht.

Nowadays, Utrecht University is a globally leading university ranked 12th in Europe, 1st in the Netherlands and 48th in the world according to the Shanghai Ranking of World Universities. It is home to 12 Nobel Prize winners, 12 Spinoza Laureates and approximately 30,000 students, which makes the city of Utrecht a lively 'academic' city. University Medical Center Utrecht (UMC Utrecht) is one of the largest public healthcare institutions in the Netherlands with almost 10,000 employees. Its mission is to be an internationally leading university medical center, where knowledge about health, disease, and healthcare is generated, tested, shared and applied.


Foto: Ramon Mosterd

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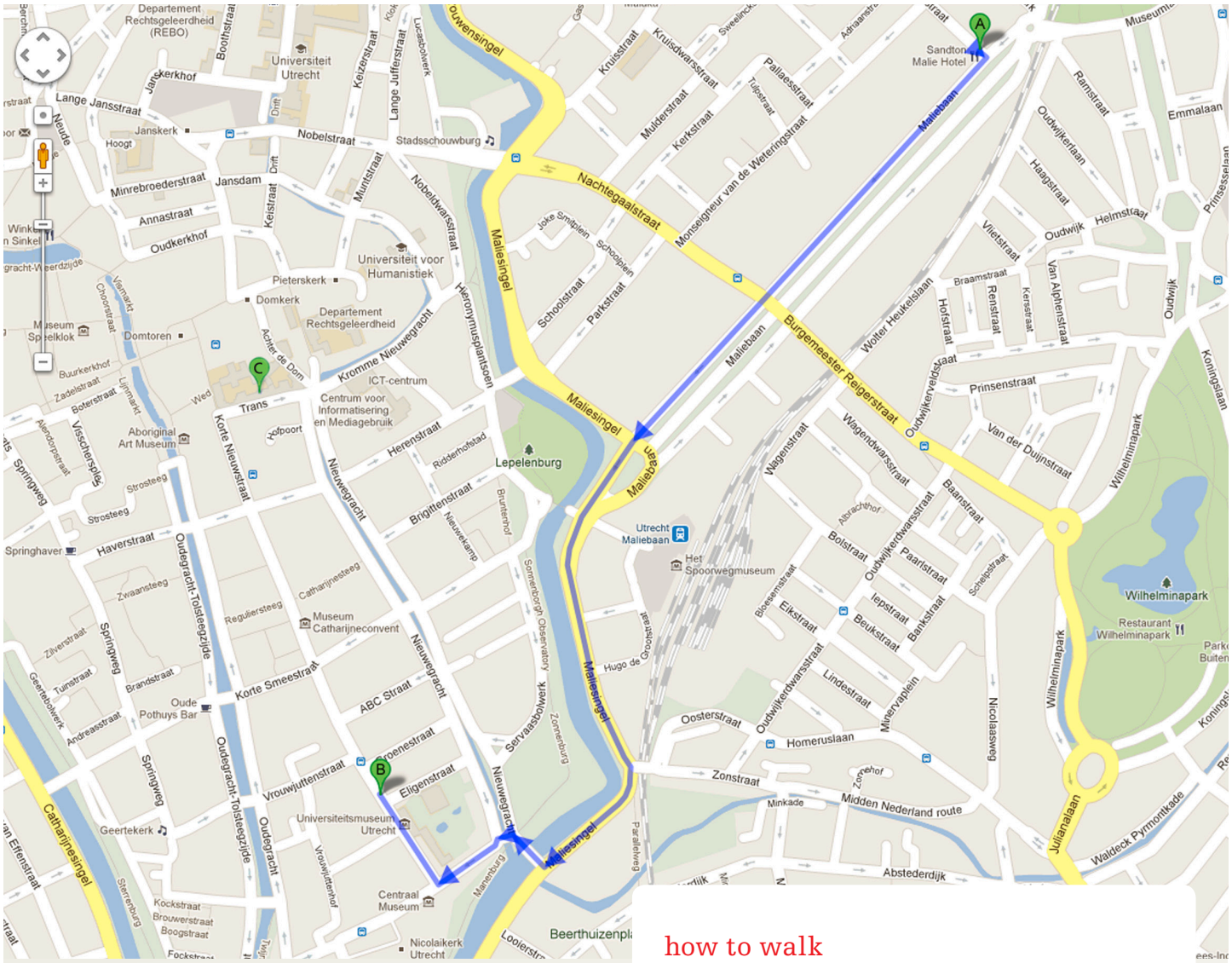


A = Sandton Malie Hotel - Maliestraat 2
B = Het Podium - Lange Nieuwstraat 88
C = Faculty Club 'Helios' – Achter de Dom 7

how to walk

## DIRECTIONS

This map shows directions how to walk from the "Sandton Malie Hotel" to "Het Podium" for Saturday night's cooking event. This is a 20 min. walk.

Monday night's dinner will be at "Stadskasteel Oudaen", not shown on this map. All participants will receive a detailed map of the city centre of Utrecht separately.

Stadskasteel Oudaen
Oude Gracht 99
3511 AE Utrecht

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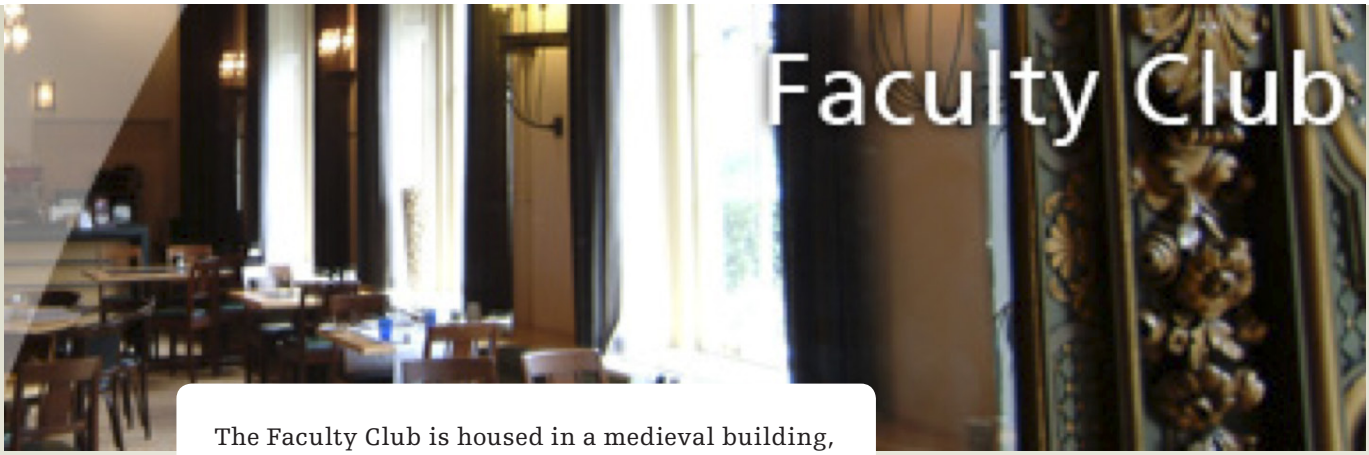
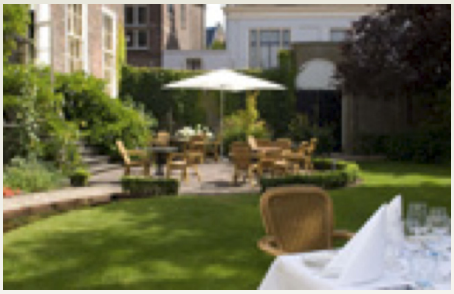
# ABOUT THE VENUE

## The Faculty Club

Achter de Dom 7
3512 JN Utrecht
phone +31 (0)30 253 9911 (club manager)




The Faculty Club is housed in a medieval building, behind the University Hall and next to the Pandhof. Achter de Dom 7 is reputed for its solid tower and has a history dating back to far beyond the Middle Ages. The University has been using this location for a hundred and fifty years. The Faculty Club has been housed here since 1998. The Faculty Club is a pleasant place for members of the university community to meet up, and to entertain their Dutch and international guests and other contacts. The club offers an attractive and hospitable environment with space for both informal as well as business meetings.



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# ABOUT THE HOTEL


Sandton Malie Hotel
Maliestraat 2
3581 SL Utrecht
The Netherlands

Tel: +31 (0)302 316 424
Fax: +31 (0)302 340 661

utrecht@sandton.eu
www.sandton.eu/utrecht
www.sandton.eu


The centrally located Malie Hotel is housed in a stylish 19th century building and is an icon in this leafy district. Behind the façade lies a classic hotel with, at the rear, a surprising town garden and terrace. The 45 rooms have air-conditioning and all modern comforts for both the business and private guest. Internet connections and use are included in the (free) service.

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## GOALS OF THE MEETING


### Goals of the meeting are:

- Connect and reconnect the alumni to the program and the board and the faculty

- Provide an update of EUREKA activities since attendance at the certificate course

- Design a network (built by EUREKA for EUREKA) that facilitates the goals of the Eureka alumni in relation to EUREKA and translational medicine. Such a network should enable the Alumni among others to:
  - Communicate with peers in real-time
  - Communicate with mentors about their research and/or career
  - Organize valuable internships
  - Develop a community framework – trainee to alumnus to mentor

- Information and feedback for the Board on the experiences of alumni.

- Generate ideas to improve the Eureka program via discussions among alumni and Board

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## MONDAY, OCTOBER 23RD

### Location:
Het Podium" (Lange Nieuwstraat 88,
Telephone 31-30-6350888)

16.00 - 21.30 Cooking Workshop and Dinner.

## MONDAY, OCTOBER 24TH

### Location:
Faculty Club Utrecht University (Achter de Dom 7)

### Coffee
8.00 - 8.30

### Welcome and Official Opening
8.30 – 8.40 prof. dr. Jan Kimpen, chairman of the Board of the University Medical Center Utrecht

### Eureka 2.0
8.40 - 9.30 Salvo Albani, Berent Prakken & Jessica Colomb
Objective:
1. Update on Eureka's goals and future directions.
2. Discuss evaluations of the alumni & faculty questionnaires in the context of today's program.

### Decisions and dilemmas (1)
9.30 - 10.30 Working groups (introduced by Norm Rosenblum)
Objective:
1. Discuss crucial and present career decisions in Translational Medicine.
2. Define which dilemmas are shared among the alumni.
3. Exchange effective and generic problem solving strategies.

### Coffee Break
10.30-11.15

### Decisions and dilemmas (2)
11.15 - 11.45 Report from the working groups (facilitated by Norm Rosenblum and Janet Hafler)

### Introduction professional networking
11.45 - 12.15 Vicki Seyfert-Margolis

### Objective
1. Describe experiences with networking in the Immune Tolerance network NIH and FDA
2. What are the characteristics of effective professional networks

### Goals for a Network (1)
12.15 - 13.00 Working groups
(introduced by Vicki Seyfert-Margolis and Christoph Licht)
Objectives:
1. Identify personal goals as they relate to a network resource
2. Determine objectives and characteristics of a Eureka Network to meet those goals

### Group lunch
13.00 - 14.00

### Goals for a Network (2)
14.00 -14.45 Report from the working groups
(facilitated by Vicki Seyfert-Margolis and Christoph Licht)

### Forming the Network (1)
14.45 - 16.00 Working groups (introduced by Janet Hafler)
Objectives:
1. Agree on the main principles
2. Agree on next steps
3. Agree on what can be expected from the network and the participants

Tea will be served during the Working groups (between15.00-15.30)

### Forming the Network (2)
16.00 - 17.00 Report from the working groups and discussion panel with Juan Carlos Lopez, Louis Bont and Reiner Bruus (Online Media Strategist)
(facilitated by Janet Hafler )
Objectives:
1. Discuss suggested possibilities together with social media expert
2. Conclusions and decide on next steps.

### Wine and Cheese
17.00-18.00

### Drinks and Dinner
19.00 - 22.30

### Location:
the 13th Century "City castle" OUDAEN (Oudegracht 99, Telephone: 31-30 231 18 64; www.oudaen.nl)

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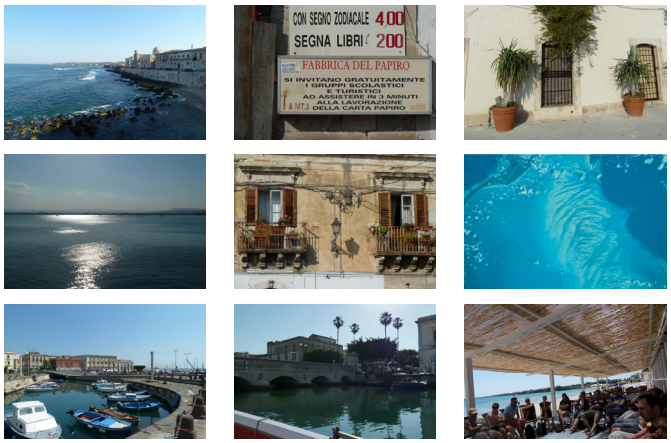
## UPDATE ON EUREKA ACTIVITIES

# INTERNATIONAL CERTIFICATE PROGRAM 2009-2011

Eureka currently offers an International Certificate Program in Translational Medicine.
This program develops critical knowledge and skill sets in talented professionals to
enable and improve their ability to participate as dynamic components in the international community of translational medicine. The program draws on the expertise of recognized authorities in research, education, and institutional management. Our content is designed to build skills to foster innovative teams, critical thinking, and problem solving. The ultimate goal of this endeavor is to produce multidimensional, interdisciplinary professionals who are prepared for a wide range of careers focused on improving human health. Our early activities have already established a solid foundation on which we can grow. In 2008, we conducted the Consensus Conference during which the founding members framed the issues surrounding translational medicine and also what tangible impacts Eureka could make in the field. From this assessment, the first three Annual International Certificate Programs in Translational Medicine were designed and executed (2009-2011) with 61 participants from 15 countries from Europe, North and South America, Asia and Australia. Participants consistently rated the program from very good to excellent. Many cited that they experienced a paradigm shift in the way they both approached their role in the translational medicine continuum, as well as how they perceived it. Activities are underway for the 2012 4th Annual installment of the program.




# ART AND SCIENCE: THE RELEASE OF TRANSLATIONAL CREATIVITY

During the latest Eureka Course week in Siracusa, Sicily in May 2011, artists Anna van Suchtelen and Brian Goeltzenleuchter worked on-site. They created a film, entitled When to throw a painting to a drowning man, designed for the attendants of the Eureka Translational Medicine Course. In their working process they focused on participation and crossing boundaries, researching the connection between art and science. The film consists of short stories, parodying chapters in a self-help book. It celebrates the transcendent nature of creativity, examining its potential as a skill and a tool for problem solving, critical thinking, networking, and teambuilding.

Translational Creativity is founded in conjunction with our Siracusan host Francesco Italia. The film will be released in 2012. See for more information: www.eurekainstitute.org/index.php/translational-creativity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## FACULTY BIOGRAPHIES

# SALVATORE ALBANI

I offer expertise in: Translational Medicine itinerary from bench to bedside and back, specifically in therapeutic manipulation of autoimmunity

I seek expertise in:
all the rest

### Beginning Career focus:
Rheumatology and Immunology, with a focus on Pediatrics.

### Current Career trajectory:
Develop a first in class tolerogenic approach for autoimmune diseases. Develop a Theragnostics approach for informed therapeutic decisions and possibly to reclassify obsolete clinical criteria.

### Paradigm shifting moment in your career:
A child with JIA running to hug me the day he felt better.

### Favorite Problem Solving Strategies:
Think different
Question yourself
Listens to others
Do not be afraid
Impossible is nothing.

### Who is on your elite team of advisors:
Dennis Carson: scientific father
Berent Prakken: brother in arms
Wain Fishburn: chess player
Wife: to see the illogical side of things
Iacopo (dog): It helped a lot to bring things into perspective
Isabella (daughter): reminds me to smile.

### Education, Working experience:
M.D, Ph.D. Developed a novel tolerogenic approach for autoimmunity from idea to Phase II trial, making all the possible mistakes.

### Eureka Highlight:
The positive energy
Learning from the students.

### Life after Eureka:
There is no after Eureka.

Degrees MD, PhD
Current Title Emperor of the Universe
Preferred Method of Contact Telepathy
Contact Info in case telepathy is out of order:
salbani@sanfordburnham.org

## FACULTY BIOGRAPHIES

# DAAN J.A. CROMMELIN

Prof. Daan Crommelin is presently scientific director of the Dutch Top Institute Pharma in Leiden. He is also professor at the Department of Pharmaceutics at Utrecht University. He is adjunct professor at the Department of Pharmaceutics and Pharmaceutical Chemistry at the University of Utah. Crommelin is co-founder of OctoPlus, a Leiden based company specialized in the development of pharmaceutical product formulations and advanced drug delivery systems. He published extensively and is on the editorial board of 10 peer reviewed journals in the pharmaceutical sciences. He also advises venture capital groups. He chaired the Board of Pharmaceutical Sciences of the International Pharmaceutical Federation (F.I.P.), was chair of the organizing committee of the Pharmaceutical Sciences World Conference 2007 in Amsterdam. He is past president of the European Federation of Pharmaceutical Sciences (EUFEPS) and vice-chair of the scientific advisory board of the European Innovative Medicines Initiative (IMI).

Degrees PhD
Current Title Scientific Director, Dutch Top Institute Pharma
Preferred Method of Contact E-mail
Contact Info Daan.Crommelin@tipharma.com

## FACULTY BIOGRAPHIES

# DIRK ELEWAUT

Dirk Elewaut is a full professor of rheumatology and immunology and head of the Laboratory for Molecular Immunology and Inflammation in the Department of Rheumatology at Ghent University Hospital. He obtained his MD at Ghent University in 1991 and his PhD in 1997 at the same institution. Following postdoctoral research at the University of California San Diego and the La Jolla Institute for Allergy and Immunology, he joined the faculty of the Department of Rheumatology at Ghent University Hospital in 2001, a Center of Excellence of the European League Against Rheumatism (EULAR) and of the Federation of Clinical Immunological Societies (FOCIS).

He has published more than 120 scientific publications, often in high impact journals and is heading a team of 15 researchers. He is also an Associate Editor of Rheumatology and a member of the editorial board of several journals including Arthritis Rheumatism and Arthritis Research and Therapy.

His research interests are centered around translational aspects of immune regulation to combat inflammatory arthritis and associated joint damage.

Degrees MD, PhD
Current Title Professor, rheumatology and immunology
Head, Laboratory for Molecular Immunology and Inflammation
Ghent University Hospital
Preferred Method of Contact E-mail
Contact Info dirk.elewaut@ugent.beg

## FACULTY BIOGRAPHIES

# WAIN FISHBURN, J.D

M. Wainwright Fishburn, Jr. is a member of the Board of Trustees and the Executive Committee of the Sanford-Burnham Institute for Medical Research, as well as a partner in the Cooley LLP Business department. He joined Cooley LLP in 1992 as a founding partner in the San Diego office and currently serves on the Firm's Marketing Committee.

Mr. Fishburn's practice emphasizes general representation of high growth technology and other operating companies that range from start-ups to publicly held corporations. His practice focuses on corporate governance matters as well as mergers, acquisitions, strategic alliances, and intellectual property licensing and management. He also assists his client companies in financing matters, often involving the placement of debt and equity securities. Mr. Fishburn has been counsel to public and private companies operating in a variety of environments, including biotechnology, information technology, internet, computer hardware and software, communications, composite materials, retail, service and manufacturing industries. He has also represented U.S., European and Japanese companies in international transactions of varying descriptions.

Mr. Fishburn lectures frequently on corporate governance matters and is a founding board member of the Corporate Directors Forum as well as BIOCOM, Southern California's regional life science association. He has assisted as counsel to numerous start-up companies and is a founder of two publicly-traded companies. He has been active with the UC San Diego CONNECT program in entrepreneurship, having served as the President of the CONNECT San Diego Technology Financial Forum and is active in numerous other community organizations in Southern California.

Prior to attending law school, Mr. Fishburn worked in the corporate environment serving as assistant to the CEO during the divestiture of a group of 12 operating companies. Thereafter, as a corporate development officer for the acquiror, St. Paul Companies, Inc., a Fortune 500 insurance and financial services company, he served as Assistant Vice President Planning and Development of the newly formed operating subsidiary.

Mr. Fishburn received a J.D. degree in 1981 from the University of California, Hastings College of the Law and served as President of the Hastings Board of Governors. He received a B.A. from the University of Arizona and has served on the University of Arizona Technology Advisory Committee. Mr. Fishburn completed post-graduate study at the Australian National University and was appointed as a Senior Fellow of Bergmann College affiliated with the A.N.U.

Mr. Fishburn is admitted to practice before the State Bar of Arizona and the California State Bar and is a member of the American Bar Association.

Degrees MD, PhD
Current Title Founding Partner, Cooley LLP; Chairman of the Board, SBMRI; Board of Directors, Critical Path Institute
M. Wainwright Fishburn, Jr., Member, Board of Trustees; Member, Executive Committee, Sanford-Burnham Institute for Medical Research
Preferred Method of Contact E-mail
Contact Info wfishburn@cooley.com

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## FACULTY BIOGRAPHIES

# JOHAN GARSSEN

I offer expertise in: Translational medicine (focus area immune pharmacology)
At the cutting edge between academia and industry

### Beginning Career focus:
Studied Medicine and Medical biology life sciences. After PhD postdoc followed by senior scientist position at National Institute of Public Health. Moved to industry (fulltime) in 2002. Since 2005 part-time chair/professor immunopharmacology Utrecht University. Bridging non-profit and profit research. Translational medicine: from molecule to immune benefit.

### Current Career trajectory:
Director immunology platform Nutricia research for specilaised (medical) nutrition + director immuno-pharmacology department faculty of Pharmacy, Utrecht University.

### Paradigm shifting moment in your career:
2002 moved to industry; 2005 start combination profit (nutricia holding) and non-profit research (Utrecht University). Fulltime translational medicine: From molecule to immune benefit.

### Favorite Problem Solving Strategies:
Networking
Research credibility
Bridging industry with academic environment
Motivating.

### Who is on your elite team of advisors:
Management national institute of public health + WHO
Ministry of Health
Director Numico
Director Institute Pasteur
Prof and dean faculty of Pharmacy.

### Education, Working experience:
Medicine, Medical Biology, postdoc allergy, immunopharmacology
Senior scientists National Institute of Public Health
Director Nutricia
Director immunology department
Head immunopharmacology, Utrecht University and director immunology platform Nutricia.

### Eureka Highlight:
Science without borders. Bridging profit/non-profit research
From molecule towards immune-benefit (reimbursed).

### Life after Eureka:
Eureka will continue lifelong.

Degrees Prof.dr.md.
Current Title Prof and director
Preferred Method of Contact E-mail of Phone
Contact Info j.garssen@uu.nl or
phone ..31-652034181

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## FACULTY BIOGRAPHIES

# CAROL GREGORIO

I offer expertise in: advanced basic science techniques, experimental models, and cardiac and skeletal muscle biology in health and disease. Grant and manuscript writing, fund-raising approaches, Administration and leadership approaches, problem solving and mentoring.

I seek expertise in:
finding more ways to integrate my research to more closely address clinical problems. I seek innovative ideas to build multi investigator programs that effectively and efficiently bridge the basic-clinical gap.

### Beginning Career focus:
Studied the dynamic properties of the cytoskeleton during the T cell immune response. Later determined that I could best address the questions I was most interested in by switching to striated muscle as my model system (where the cytoskeleton is perfectly aligned to the precision of single molecules). From this work, I recognized that I could easily adapt my scientific approaches to study human myopathies to determine the precise causes of these myopathies at the molecular level.

### Current Career trajectory:
Building a top well-funded program in cardiovascular research that effectively bridges the gap between basic and clinical scientists. Hire scientists with complementary expertises.

### Paradigm shifting moment in your career:
Obtaining my first big NIH grant to fund my new lab. The realization that I can do what I do best as a basic scientist and apply clinical applications to the problems I have chosen to study.

### Favorite Problem Solving Strategies:
Step away from my world, and try to see problems from the perspective of others. Seek help from colleagues that I trust. Be creative at solving problems – recognizing that there are likely several approaches – often found by brainstorming numerous potential solutions/actions/scenarios and only after this, picking the approach to take. Keep things as simple as possible to more clearly identify the root (primary cause) of the problem. Possibility that if the cause of problem is identified and subsequently eliminated, then you can solve the problem.

### Who is on your elite team of advisors:
Gordon Ewy MD, Head of the Sarver Heart Center and a top Cardiologist. He has helped me to build a strong translational cardiovascular research program at the UA, he has taught me how to fundraise (leading to Endowed Chairs to recruit outstanding colleagues) and how to negotiate. Together we work to bring physicians and basic scientists together.
Paul Krieg, PHD, colleague and friend. His office is right down the hall from mine. He always is available to help me problem solve difficult situations that occur in the department.
Trainees in my lab – they keep me thinking experimentally and we work together to solve scientific problems.

### Education, Working experience:
BA in Biological Sciences and MA in Natural Sciences/ Physiology – both from the State University of New York at Buffalo. PhD in Molecular Immunology from Roswell Park Cancer Institute in Buffalo, New York. Postdoctoral Research at The Scripps Research Institute in La Jolla, California. In 1996, joined the UA College of Medicine faculty. Currently hold an Endowed Professorship and Head of the Department of Cellular and Molecular Medicine, Co-Director of the Sarver Heart Center and Director of the Molecular Cardiovascular Research Program.

### Eureka Highlight:
The students, the instructors, the wine and the food. Watching the students grow and learn during the week of the meeting. Getting subsequent emails from Eureka students updating me on their attempts to solve their “dilemmas”.

### Life after Eureka:
- Using teaching skills I continue to learn from Norm in my own lectures. -Using what I learn about problems and difficult career situations encountered by the students in Eureka - to help me mentor trainees and junior faculty in my department and sometimes even anticipate problems, before they happen.

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## FACULTY BIOGRAPHIES

# LUCA G. GUIDOTTI

I offer expertise in: Preclinical and Early Phase Trials

### Beginning Career focus:
In my early days I got involved in the development of animal models for the study of immune-mediated diseases of viral and autoimmune etiology. This reflected my educational background in immunology, virology and pathology.

### Current Career trajectory:
I still work on the pathogenesis of immune-mediated diseases bringing our preclinical discoveries into the realization of investigator-driven Phase I and II trials.

### Paradigm shifting moment in your career:
The creation of a mouse model capable of replicating the hepatitis B virus at high levels in the liver. Thanks to this model more than 50 high-profile publications have been produced and 3 drugs are currently in the market for the treatment of chronic hepatitis B.

### Favorite Problem Solving Strategies:
Find the money
Look behind the immediate goal
Listen to people.

### Who is on your elite team of advisors:
Frank Chisari at The Scripps Research Institute (my academic mentor who taught me what science is). Our relationship eventually evolved into a strong collaboration that is lasting for the past 20 years.

### Education, Working experience:
I got my education in Italy and moved immediately afterwards at The Scripps Research Institute (TSRI) in La Jolla as a postdoc. I joined the faculty at TSRI after my first RO1 and remained there for 20 years. Recently I moved back (on a part-time basis) to Italy to direct the Diabetes Research Institute (DRI) at the San Raffaele Scientific Institute (SRSI) in Milan.

### Eureka Highlight:
Eureka is a great opportunity for me to learn and be in contact with great experts in Translational Medicine.

### Life after Eureka:
Sad, as compare as the life DURING Eureka.


Degrees MD, PhD
Current Title Director DRI and Professor of Experimental Pathology
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## FACULTY BIOGRAPHIES

# HAFLER, JANET

As Assistant Dean for Educational Scholarship Janet Hafler has served at Yale School of Medicine since 2009. Prior to coming to Yale Dr. Hafler was the Director for Faculty Development at Harvard Medical School and Dean for Educational Development at Tufts University School of Medicine. She received her masters in education specializing in maternal and child health from Columbia University and her doctorate from Harvard University in Education. Her responsibilities include developing and implementing medical education and teaching and learning programs for both faculty members and residents. Over her career she has nurtured a climate in teaching and learning where faculty and residents have been exposed to the cutting edge literature and ideas in medical education. She has focused on assisting faculty to explore innovative ways to effectively promote learning in both the classroom and clinical settings.

Promoting, influencing and nurturing a climate in which physicians, residents and students can teach — and learn — has been foremost among her career objectives. She has focused on providing an awareness of context for students, residents and faculty, urging them to be innovative in their many teaching environments and encouraging them to explore ways to understand how they can effectively promote learning in their interactions among themselves.

Dr. Hafler runs an active research program applying qualitative research methods in medical education. She collaborates with and mentors clinicians and faculty on the elements of qualitative research in the field of medical education and medical care. In turn, mentored faculty members have learned to develop and demonstrate the tools necessary to effectively teach and lead others. Dr. Hafler has published over 100 book chapters, curriculum materials and original articles in medical education and clinical journals. She has served as visiting professor internationally and has been invited to present regularly at regional and national professional meetings.

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## FACULTY BIOGRAPHIES

# DAVID HAFLER

Dr. Hafler is the Gilbert H. Glaser Professor and Chairman Department of Neurology, Yale School of Medicine and is the Neurologist-in-Chief of the Yale-New Haven Hospital. He graduated magna cum laude in 1974 from Emory University with combined B.S. and M.Sc. degrees in biochemistry, and the University of Miami School of Medicine in 1978. He then completed his internship in internal medicine at Johns Hopkins followed by a neurology residency at Cornell Medical Center-New York Hospital in New York. Dr. Hafler received training in immunology at the Rockefeller University then at Harvard where he joined the faculty in 1984. He is one of the Executive Directors of the Program in Immunology at Harvard Medical School and is on the faculty of the Harvard-MIT Health Science and Technology program where he has been actively involved in the training of graduate students and post-doctoral fellows. Dr. Hafler has been elected to membership in the American Society of Clinical Investigation, The American Neurological Association, the Alpha Omega Society, and was a Harvey Weaver Scholar of the National Multiple Sclerosis Society. He is currently a member of the editorial boards for Journal of Clinical Investigation and the Journal of Experimental Medicine, and is co-founder of the Federation of Clinical Immunology Societies.

Dr. Hafler is a clinical scientist with a research interest in understanding the mechanism of autoimmunity with a particular interest in inflammatory central nervous system diseases, with over 300 publications in the field of autoimmunity and immunology. He received the 1st National Multiple Sclerosis five year Collaborative Center Award for tackling the MS genetic effort. Hafler leads the NIH Autoimmunity Prevention Center Grant at Harvard, and is a Jacob Javits Merit Award Recipient from the NIH, and is this years recipient of the prestigious Dystel Prize awarded by the American Academy of Neurology for his research in multiple sclerosis. He was recently appointed an Honorary Visiting Fellow of the University of Cambridge.

His laboratory focuses on the understanding of human autoimmune diseases with the theme that investigation of naturally occurring human diseases give insight into the basic processes of T cell regulation, in addition to providing fundamental understanding and development of new therapies for human diseases. The laboratory has defined immunodominant epitopes of autoantigens, and has developed new technologies to measure both functionality and frequency of autoreactive T cells. More recently, Dr. Hafler has focused on broadly characterizing the molecular pathogenesis of the disease, both at the DNA, mRNA, and proteomic level. Dr. Hafler is a founding member of the International MS Genetic Consortium, a group recently formed to define the genetic causes of MS including scientists from University of Cambridge and University of California, San Francisco.

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## FACULTY BIOGRAPHIES

# MATTHIAS VON HERRATH

I offer expertise in: Cellular Immunology, Medicine, viral infections, diabetes, autoimmune diseases, translational enterprise and trials.

I seek expertise in:
Bio-Informatics.

We are able to accept students, sometimes we can pay a small stipend.

### Beginning Career focus:
Understand how the human body works and improve health. Understand what causes autoimmune syndromes. Learn Virology.

### Current Career trajectory:
Focused on studying human pathology of type 1 diabetes and create mouse models to address crucial gaps. Bring investigators from various disciplines together. Impatient about the translational enterprise – trying to close gaps between pharma, academia and funding bodies. Seeking career alternatives to reduce dependence on research grants.

### Paradigm shifting moment in your career:
Treated first AIDS patients in Germany in 1980s. Learned about tolerance in mouse models in 1990s. Studying the difference between human and mouse pathology in type 1 diabetes currently.

### Favorite Problem Solving Strategies:
Reach out to others more experienced in the matter. Interact with Pharma as much as possible for translational issues. Plan for alternative and backup scenarios. Persist to illuminate important problems from many aspects. Hope for the privilege to work with really good people!

### Who is on your elite team of advisors:
A little while ago we founded a coalition in the type 1 diabetes field that has crucial investigators in immunology and islet biology. The main 'phenotype' within this coalition is a character that pledges to put science and exchange first and eliminate competition. This coalition has become like a family, where one can share problems, gather advice and discuss many aspects of translational immunology. Once per year we meet with all young investigators from our centers as well in order to enhance scientific exchange and trust at all levels.

### Education, Working experience:
Freiburg Medical School, Freiburg Germany, Doctoral Degree – 05/1988
Adjunct Associate Professor, Dept. of Molecular and Experimental Medicine, The Scripps Research Institute, La Jolla, CA 10/2001-9/2001
Adjunct Professor, Dept. of Pediatrics, University of California, San Diego, School of Medicine, 4/2004-present.
Associate Professor with Tenure, La Jolla Institute of Allergy and Immunology, La Jolla, CA, 9/2001-6/2005
Professor, La Jolla institute for Allergy and Immunology, La Jolla, CA 7-2005 – present
Director, La Jolla Institute for Allergy and Immunology Center for Type 1 Diabetes, La Jolla, 2008-present
Adjunct Professor of Pediatrics, University of California, San Diego, CA, 2005-present

### Eureka Highlight:
The privilege to interact with the students and faculty.

### Life after Eureka:
Too much grant writing! Many good memories!


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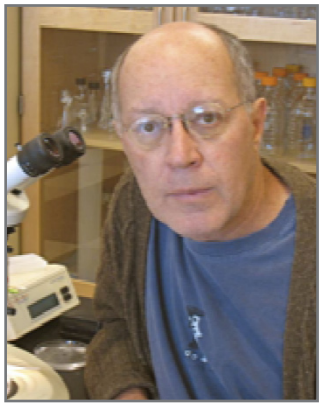
## FACULTY BIOGRAPHIES

# PAUL ANTHONY KRIEG



I offer expertise in: Molecular medicine/patents/ small business biotech.

### Beginning Career focus:
Pure molecular biology research. This gradually evolved into molecular approaches to vertebrate developmental biology, especially at the gene regulation level. Last 20 years, focus on cardiovascular development.

### Current Career trajectory:
Trying to apply our basic molecular/cellular discoveries towards medical application. We have focused on apelin as a regulator of angiogenesis. We have patented our applications and developed a blocking antibody which may function as a therapeutic.

### Paradigm shifting moment in your career:
Postdoc studies at Harvard. Shook up my world. Made me realize that anything was possible if you were sufficiently committed. "go for it" – the American Way.

### Favorite Problem Solving Strategies:
Keep asking - "what is the question?"
Reduce every question to its simplest elements.
Try to find parallel/alternative approaches to same question. Never believe the first results of experiments. Always keep your eyes open for the unexpected.

### Who is on your elite team of advisors:
Carol Gregorio, my colleague in Arizona. My expert on everything to do with heart muscle.
Aaron Zorn, a former graduate student of mine and one of the smartest, most practical people I know.
Alan Robins, my former bench-mate during my PhD, now Biotech CEO. He keeps me informed about everything in the world of Biotech.

### Education, Working experience:
PhD research in histone gene organization in Australia.
Postdoc at Harvard in Xenopus developmental biology
Assistant professor – Full professor, University of Texas, heart development.
Endowed professor, Arizona, focus on vascular development.

### Eureka Highlight:
Meeting the students. Learning how to evoke answers from a group rather than feeling obliged to provide answers.

### Life after Eureka:
Much improved listening skills. Trying to apply the wisdom I have learned from Berent.

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## FACULTY BIOGRAPHIES

# INGRID LETHER

Ingrid Lether studied biology at Utrecht University.

After obtaining her Master's degree she started working for several pharmaceutical companies, being involved in clinical research.

In 2001 she joined the Dutch Arthritis Foundation as head of Research. In this function she coordinates the approval of research grants.

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## FACULTY BIOGRAPHIES

# JUAN CARLOS LOPEZ

I offer expertise in: Publishing

### Beginning Career focus:
Neurobiology of learning and memory at the systems and molecular levels.

### Current Career trajectory:
Chief Editor of Nature Medicine.

### Paradigm shifting moment in your career:
Realizing that I didn't have the passion to pursue a very focused research project and was more interested in developing a broader view of my field.

### Favorite Problem Solving Strategies:
Analytical thinking.

### Who is on your elite team of advisors:
My team members at the journal. They are incredibly smart and thoughtful. I always seek their professional advice.

### Education, Working experience:
PhD from Columbia University. Postdoctoral work at the Cajal Institute (Madrid). Editor of Nature Reviews Neuroscience and now Editor of Nature Medicine.

### Eureka Highlight:
Discovering that the idea behind the launch of Eureka was much more profound than I originally appreciated.

### Life after Eureka:
I carry on rejecting papers.

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## FACULTY BIOGRAPHIES

# ALBERTO MARTINI

Dr. Alberto Martini, MD, PhD, received his MD from the University of Pavia, Italy. He later went on to specialize in Hematology, Pediatrics, and Nephrology. He is currently the Professor of Pediatrics, Dept of Pediatrics, University of Genoa, and the Director Pediatria II, IRCCS G Gaslini, Genoa, Italy a EULAR Centre of Excellence in Rheumatology 2008-13.

Dr. Martini is also Founder and Chairman of the Pediatric Rheumatology International Trial Organization (PRINTO), President of the PediatricRheumatology European Society (PRES), Chairman of the Council of the Italian Professors of Paediatrics, Co-Editor of "Clinical and Experimental Rheumatology", and of "Pediatric Rheumatology".

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## FACULTY BIOGRAPHIES

# PATRICK MAXWELL

Patrick Maxwell is Professor of Medicine at University College London and Head of the UCL Division of Medicine. He is also an Honorary Consultant Nephrologist at the Royal Free Hospital and at the Hammersmith Hospital. He won an Open Scholarship to the University of Oxford for his preclinical training in Physiological Sciences, graduating BA with First Class Honours in 1983 and winning the Martin Wronker Prize in Pharmacology. He then won an Exhibition to St Thomas's Hospital Medical School, where he was awarded the Senior Medals in both Medicine and Surgery, and graduated MBBS in 1986 with Distinctions in Pharmacology and Surgery. He subsequently undertook dual training, accrediting in both General (Internal) Medicine and Nephrology in 1996. His training posts included appointments as Senior House Officer at the Royal Postgraduate Medical School, the National Heart Hospital and the National Hospital for Nervous Diseases. He was then Registrar at Guy's Hospital Renal Unit and Honorary Senior Registrar at the Oxford Kidney Unit. He was appointed University Lecturer in Nephrology in Oxford in 1996, and promoted to Reader in 2000. In 2002 he moved to Imperial College / Hammersmith Hospital as Chair of Nephrology. In 2008 he was recruited as Chair of Medicine to UCL.

His research career commenced in 1991 with the award of a Research Training Fellowship by the Medical Research Council. This enabled him to undertake a D.Phil. investigating mammalian oxygen sensing in Peter Ratcliffe's lab in Oxford. He has continued to work in this broad area for 20 years, and has been centrally involved in a series of fundamental discoveries. The identification of the enzymes that act as oxygen sensors has rapidly led to development of small molecule inhibitors that are now being tested as therapies for anemia and ischemic conditions in humans.

Dr Maxwell was elected a Fellow of the UK's Academy of Medical Sciences in 2005, and was appointed as its Registrar in 2006. In this capacity he oversees the Academy's election process for new fellows, and leads its mentoring, outreach and funding programmes. He has served as a member of the Board of the UK Clinical Research Collaboration, and is currently a member of Medical Education England, the Advisory Board for the National Institute for Health Research and the Medical Research Council's Training and Careers Group. He is also Chair of the Wellcome Trust's Physiology and Pharmacology funding panel. He is a Director of several companies; Global Medical Excellence Cluster Ltd (which brings together UCL, KCL, Imperial, Oxford and Cambridge), ReOx Ltd (a University of Oxford spinout company which he founded in 2003 with 3 other other academics) and BioNano Consulting. He holds a National Health Service Silver Clinical Excellence Award and is a Senior Investigator of the National Institute for Health Research. He still works as a clinical nephrologist, specializing in genetic renal disorders and has a small research group working on genetic approaches to understanding oxygen-sensing and kidney disease.

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## FACULTY BIOGRAPHIES

# MARTIN OFFRINGA

I offer expertise in: PTranslational Clinical Trial Design, Conduct and Reporting

I seek expertise in:
Molecular Bench Methods

### Beginning Career focus:
After graduation from medical school in 1986 and working for 2 subsequent years in Internal Medicine, Cardiology, and Pediatrics, I realized I could never progress as a physician or a clinician scientist unless I trained in epidemiology, clinical decision analysis, and biostatistics. So I did, in the U.S. and at the Rotterdam Centre for Clinical Decision Analysis, where I completed a PhD thesis on the management of children with febrile seizures. As director of the Dutch Cochrane Centre (1998 – 2004) I was actively involved in the development of systematic reviews by Dutch and Belgian physician-researchers. I am a member of the International Advisory Board of the Cochrane Child Health Field since 1999. In 2002, I was appointed Professor and Head of the Department of Pediatric Clinical Epidemiology at the University of Amsterdam.

### Current Career trajectory:
From Evidence Based health care, to drug trials in child health: when we realized that most medicines are given to sick children are "off label" and "unlicensed" we created the Dutch National Pediatric Pharmacotherapy Expertise Network NKFK (www.nkfk.nl), and the Medicines for Children Research Network in the Netherlands (www.mcrn.nl). Motivated by the increased focus on clinical research in children and the stark deficiencies in knowledge about optimum ways to deal with methodological and practical challenges of research in children, I then created STaR Child Health (www.STaRChildHealth.org) with two friends and colleagues, Dr Terry Klassen form Canada and Dr Jonathan Craig from Australia. STaR Child Health aims to enhance the design, conduct, and reporting of clinical trials in children. It brings together an international group of leading methodologists, clinicians, translational researchers, regulators, and funders to systematically identify what is known, create a research agenda when gaps exist, and translate information into practical guidance for end-users.

### Paradigm shifting moment in your career:
When I saw as a young clinician how our treatments can inflict unintended harm on patients, I abandoned the "dogmatic" approach to practicing medicine ("we have always done it like this") and adopted the "empirical" approach to "doing more good than harm", currently also known as "evidence based practice". And I decided to contribute to creating the basis for safe and effective treatments by doing high quality translational and clinical research.

### Favorite Problem Solving Strategies:
Formulate the need for information to solve the problem(or a research question), systematically reading up on it, then sharing the synthesis of empirical information with a good colleague or friend, and act on the accumulated information and wisdom.

### Who is on your elite team of advisors:
My mentors (n=3, including my wife) are there to consult with whenever I get insecure, or have gotten feedback from any source which I cannot digest alone. They stimulate my development of skills and thoughts being honest and straight.

### Education, Working experience:
Medicine, epidemiology, clinical work in Internal Medicine, Cardiology, and Pediatrics. All in stimulating environments / hospitals.

### Eureka Highlight:
Giving my first interactive module, and the subsequent feedback on form and content by the students and my peers.

### Life after Eureka:
Forward and upward!

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## FACULTY BIOGRAPHIES

# BERENT PRAKKEN

I offer expertise in: human immunology, autoimmunity, biomarkers, career development & good books

I seek expertise in:
everything else

### Beginning Career focus:
I started out as a clinician (pediatrician) but immediately after finishing my training moved into immunology. After completing my PhD (cum laude) at the University of Utrecht I worked with Salvo Albani at the UCSD, La Jolla, USA. When I returned in the Netherlands I started a research group focused on pediatric inflammatory diseases.

### Current Career trajectory:
I currently head the Center for Molecular and Cellular Intervention (CMCI) at the UMC Utrecht. My research groups focuses on immune regulation, tolerance induction and biomarkers in human inflammatory diseases.

### Paradigm shifting moment in your career:
At a time when things were going really well early in my career, and everybody was please with performance, Wietse Kuis (my mentor) told me that I could do much better. This is an important insight I still carry with me. It is fun to keep improving yourself. And even more fun to help improve the people you work with.

### Favorite Problem Solving Strategies:
1. Relax
2. Listen
3. Think
4. Turn it upside down
5. Ask advice

### Who is on your elite team of advisors:
1. Wietse Kuis, mentor
2. Steve Anderton; taught me to think logically
3. Anna Wanda van Suchtelen; best possible advisor when things are difficult
4. Salvo Albani; brother on a journey
5. Nico Wulffraat; my clinical counterpart

### Education, Working experience:
MD, PhD, board registered pediatrician and immunologist.

## FACULTY BIOGRAPHIES

# MARIA GRAZIA RONCAROLO

Professor in Pediatrics, School of Medicine and Surgery, San Raffaele Vita-Salute University
Maria Grazia Roncarolo is the Scientific Director of the San Raffaele Scientific Institute in Milan, Italy, and Professor in Pediatrics, School of Medicine and Surgery, San Raffaele Vita-Salute University, in Milan. She is a M.D., specialized in Pediatrics and Immunology. Since July 2003, she has been Chief of Clinic, Pediatric Immunology and Hematology and Clinical Research Unit (CRU-P), San Raffaele Hospital and San Raffaele Scientific Institute. She worked in Lyon for several years at the Edouard Herriot Hospital and at the Laboratory for Immunological Research UNICET on the mechanism of tolerance in severe combined immunodeficiency (SCID) patients transplanted with allogenic hematopoietic stem cells. She worked for more than 8 years at the DNAX Research Institute of Molecular and Cellular Biology, Human Immunology Department, in Palo Alto, CA, on the basic biology of hematopoietic stem cells, cytokines, and transplantation tolerance. Since 1998 she has been at San Raffaele Telethon Institute for Gene Therapy (HSR-TIGET), of which she has been Director from 2000 until September 2008.
Dr. Roncarolo has a long-lasting interest in the mechanisms that induce and maintain tolerance in bone marrow transplantation, organ transplantation, autoimmune disease and gene therapy. In addition, she is interested in investigating the mechanisms underlying the immune defects, and identifying new cures for children with severe combined immunodeficiency (SCID) and other forms of primary immunodeficiencies. She studied the mechanism of tolerance in SCID patients transplanted with allogenic hematopoietic stem cells. In these children, she demonstrated that tolerance is due to an active mechanism of suppression. She was among the first to convincingly prove that active suppression is mediated by regulatory T cells. Her group was pioneer in the demonstration and biological characterization of a new subset of regulatory T cells named T regulatory type 1. Since her publication in the „Nature‰ scientific journal, these cells have been the subject of extensive investigation, and several groups, including that of Maria Grazia Roncarolo, proved that T regulatory type 1 cells play a key role in immunological homeostasis and in prevention of autoimmune diseases. Maria Grazia Roncarolo pioneered the successful gene therapy clinical trial for severe combined immunodeficiency (SCID) due to the lack of adenosine deaminase (ADA), a fatal disorder of purine metabolism and immunodeficiency (Aiuti et al. NEJM 2009,360:447).
She is also performing the first in men trial with ex-vivo generated donor-derived Tr1 cells to prevent the occurrence of severe graft versus host disease in leukemia patients undergoing haploidentical hematopoietic stem cell transplantation (clinical trial HSR-ALT-TEN ongoing in our Institute).
In 2000, Maria Grazia Roncarolo has been awarded the honor of Ufficiale dell,Ordine „Al Merito della Repubblica Italiana‰ for scientific merits. In 2005 she has been elected member of the Academia Europaea of Sciences. Maria Grazia Roncarolo is among the world's most cited scientists according to ISIHighlyCited.com (Thomson Reuters, Philadelphia). She has published more than 240 papers in international scientific peer review journals (total Impact Factor 2297,21 with average I.F. 9,45/per paper), and contributed 22 chapters to books. Overall, her papers have been cited > 16000 times. (Scopus „h „ index : 56).
Inventor of 14 international patents issued or pending.

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## FACULTY BIOGRAPHIES

# NORMAN ROSENBLUM

I offer expertise in: Developmental Nephrology; Career Development

I seek expertise in: Translational Medicine

### Beginning Career focus:

I initially trained in medicine, pediatrics and pediatric nephrology. Along the way, I did some research and was particularly interested in genetics and developmental biology. As I neared the completion of my clinical training, I was increasingly driven towards research since there were so many important issues in medical practice that we could not answer. Thus, I undertook an extensive postdoc in cell and molecular biology in the field of extracellular matrix. Five years later I realized that I had learned a great deal but found this field too descriptive. Meanwhile, the 1st knock out mice had been generated and I decided to switch fields to kidney development and use genetic mouse models to study cell signaling, cell differentiation and morphogenesis. What a wonderful ride it has been!!! Meanwhile, having been the beneficiary of excellent mentoring, I worked to enhance clinician scientist training programs. Another great ride!!

### Current Career trajectory:

Well, I am hoping that my trajectory is upwards!! I have a strong research program in the field of developmental nephrology with some developmental neuroscience thrown in for good measure. I am pushing my research towards translation based on some really neat discoveries in my lab regarding the control of urinary pacemaker function by Hedgehog signaling and GLI3 repressor. My other major focus is clinician scientist training, in which I am very engaged at the University of Toronto and on the national stage.

### Paradigm shifting moment in your career:

My first grand rounds as an Intern in Pediatrics at the Children's Hospital, Boston. It was a celebration of the life of the late Charles Janeway. Dr. Janeway was the first person to administer gamma globulin to a child with X-linked hypogammaglobulinemia. I sat there and listened to his vision, his courage, his ingenuity and how he helped kids. I said to myself, "I want to try to do that"…and so my little voyage began.

### Favorite Problem Solving Strategies:

1. Get the facts straight. 2. Identify critical gaps in our understanding of a problem. 3. Identify a question that could make a big change in how understand the problem and how we might solve it. 4. Determine the opportunities that might allow us to make progress. 5. Do something important!

### Who is on your elite team of advisors:

Anita Small – my wife; she is the best advisor I ever had. She is extremely bright, has great emotional intelligence, cares deeply what happens to me, and is a great problem-solver. Rod McInnes – Geneticist, Research Institute Director, McGill University – Rod does what I think needs to be done and he thinks that I have the capability to achieve important things. He may have poor judgement, but it makes me feel good. He has terrific judgement and mentors very well. C-c Hui – Head, Program in Developmental and Stem Cell Biology, SickKids. C-c has superb scientific judgement and is a great colleague. Hugh O'Brodovich – Chair of Paediatrics, Stanford University; model clinician scientist, great friend, smart as heck, great problem-solver. Alan Schwartz – Chair of Paediatrics, Washington University at St. Louis. Amazingly smart fellow with great common science and scientific instincts. A great friend for many years.

### Education, Working experience:

My faculty-level career has been developed totally in Toronto. I have been on the Faculty at the University of Toronto since 1993, am a Full Professor, and am a Paediatric Nephrologist and Senior Scientist at The Hospital for Sick Children.

### Eureka Highlight:

I love working with the EUREKA trainees and faculty. I learn constantly and have a great time. The food and wine are also mighty fine. A fun moment was playing the cello on the balcony in Piazza Duomo in Ortigia.

### Life after Eureka:

My life will always be EUREKA!!

## FACULTY BIOGRAPHIES

# VICKI SEYFERT-MARGOLIS

Vicki L. Seyfert-Margolis advises the FDA's Chief Scientist in her mission of upgrading science, with a focus on bioinformatics. She has most recently been Chief Scientific Officer at Immune Tolerance Network, a non-profit consortium of researchers seeking new treatments for diseases of the immune system; and an Adjunct Associate Professor with the Department of Medicine at the University of California San Francisco. Prior to that, Dr. Seyfert was a program director in innovative scientific research at the National Institute of Allergy and Infectious Diseases, National Institutes of Health.

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## FACULTY BIOGRAPHIES

# LUCY WEDDERBURN

Lucy R Wedderburn MD PhD, is a Professor in Paediatric Rheumatology at University College London (UCL), and Consultant at Great Ormond Street Hospital (GOSH) and University College London Hospitals (UCLH) and Unit Head of Rheumatology at the Institute of Child Health, UCL. She graduated with a first in her undergraduate degree from Cambridge University where she specialised in Immunology and Virology, and this founded her wish to do translational science. She then trained in medicine in London, graduating with Honours and moving into Rheumatology. She studied for her PhD with Mike Owen in the T cell lab at the Cancer Research UK where she had the opportunity to visit labs at NIH and Nice, giving her the firm belief that periods of work in other labs can be enormously educational. She then had postdoctoral training in the lab of Mark David (Stanford USA) just as the first tetramers were in use to define HIV specific T cells, and then returned to UCL to set up her lab, on a Wellcome Trust Fellowship, working with Prof Pat Woo.

The Wedderburn lab runs a programme of translational science applied to children's arthritis and muscle disease, which aims to understand underlying mechanisms of disease and the heterogeneity which patients display, in terms of their disease type course and response to medication. The lab has a group working on immune regulation and how this is affected by drugs used in arthritis, a more translational group working on the design of bio- predictors, which would help to predict response to treatment or when drugs may safely be stopped, and a group working on muscle biology. Lucy runs the large CHARMS study (with international partners) which aims to understand the mechanisms of response to medication in JIA, as well as the UK wide JDM cohort and biomarker study. She serves on the UK Clinical Studies Group UK which prioritises and advises on research strategy across the UK, and also sits on Council of the Paediatric Rheumatology European Society.

Current Title Professor, Paediatric Rheumatology, University College London (UCL)
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## ALUMNI BIOGRAPHIES

# JEFFREY BEEKMAN

I offer expertise in: Molecular Biology, Cystic Fibrosis, Mucosal Immunology

I seek expertise in:
Epithelial cell biology
State of the art molecular analysis

### Current career focus:
I am currently studying disease mechanisms underlying cystic fibrosis disease. We focus on the role of the CFTR protein in epithelial cells, and how its dysfunction results in mucosal inflammation. A strong link with clinicians allows us to validate laboratory data in clinical practice.

### Education, Working experience:
2000-2004: PhD student University Medical Centre Utrecht.
2004-2005: Post Doc Radboud Unversity Nijmegen.
2005-2010: Post Doc University Medical Centre Utrecht.
2010- Principal Investigator University Medical Centre Utrecht.

### Future career directions:
The coming 5 years I would like to establish an internationally-recognized research line in CF. My focus: to study relations between patient-derived primary cell culture systems and clinical disease in order to predict therapeutic responses. I want to unravel altered inflammatory (lipid) signaling in CF, and perform screens to identify novel candidate drugs for CF.

### Eureka Highlight:
Eureka was very stimulating with excellent role models for young independent researchers. Another realization is that working towards high impact journals does not necessarily promotes therapeutic development.

### Life after Eureka:
The focus point on therapeutic development rather than scientific impact has lead to rethinking some of my research lines. I am an active member of a committee to develop a SciBX model specifically for cystic fibrosis.

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## ALUMNI BIOGRAPHIES

# SOFIE BEKAERT

My name is Sofie Bekaert, I am 37 years old and proud mother of Viktor, 5 years old and in the first philosophical phase of his life. Life follows an unpredictable path, and I am strong believer in the journey rather than the final destination.

I was trained as a Biological Engineer (option Cell and Gene Biotechnology), with as major incentive its multidisciplinarity and polyvalence. During the course of my training I participated in an exchange program (Erasmus) with the University of Siena (Italy), where I studied for 1 year in an attempt to broaden my horizon. The last years at University I got intrigued by molecular research and in addition I was interested in research communication (freelance science communication for radio and journals). My doctoral research was focused onto biological aging in general and telomere biology in particular, a topic for which the Nobel Prize of Medicine was assigned to Elizabeth Blackburn and Carol Greider earlier this year. At the time the notion of cellular senescence being linked to telomere biology induced multitude of research projects both in aging and cancer. The goal of my doctoral thesis was to unravel telomere length regulation, as the key element in cellular aging and proliferation. Shortly after defending my PhD thesis, I got the opportunity to participate in the organization of a longitudinal population study on successful aging, and more specifically the quest for biomarkers for improved risk stratification for atherosclerosis. In a collaboration with a general practitioners organization, cardiologists, biomedical engineers and epidemiologists, we included 2500 volunteers in 2 years time and were able to realize an extensive biobank and database of these participants, which will be invited again for the second round of the study later this year.

After 12 years of research I decided to redirect my career towards valorization of research, and hence consecutively coordinated several valorization consortia (biomarkers, bioinformatics, …) and am currently coordinating the establishment of a Clinical Research Center (CRC) for Translational Biomedical Research for Ghent University and Ghent University Hospital.

This last 5 years I am becoming more and more convinced of my role as valorization advisor, and I strongly believe that building my further career path in that direction will meet up to most of my professional aspirations and ambitions.

rch lines. I am an active member of a committee to develop a SciBX model specifically for cystic fibrosis.

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## ALUMNI BIOGRAPHIES

# DEBBY BOGAERT

I offer expertise in: Host-microbiome interactions

I seek expertise in:
Immunology, mathmatics, modeling

### Current career focus:
Since many years. I'm studying pathogenesis of respiratory infections, focusing on interactions between host and pathogen and pathogen and pathogen during bacterial colonization of the upper respiratory tract, which is the first (asymptomatic) stage of respiratory diseases. Next to (molecular) epidemiological work, I am investigating innate and adaptive immunity to pathogens during colonization of the upper respiratory tract. The last couple of years, I'm focusing on the application of new sequencing techniques to (epidemiological) research regarding upper respiratory colonization and infection trying to find potential key players of the pathogenic process leading to respiratory infections.

### Education, Working experience:
Education
1999-2004: PhD study on the subject 'host-pathogen interaction during S. pneumoniae colonization and infection' *Cum Laude*
1999-2006: Resident Pediatrics, Erasmus MC, Rotterdam, The Netherlands
1992 -1998: Medical School, UMC Utrecht, NL *Cum Laude*.

Experience
2008-now: Physician Researcher, Dept. of Pediatrics, UMC Utrecht, The Netherlands
2006-2008: Postdoctoral fellowship Harvard School of Public Health/
Children's Hospital, Boston, USA
2004-today: Reviewer for the Lancet, Pediatric Infectious Diseases Journal, the
Journal of Infectious Diseases, Vaccine, Future Drugs, the American Journal
for Respiratory and Critical Care Medicine and others.

### Future career directions:
Establishing a strong independent interdisciplinary research group working on translational studies regarding pathogenesis and prevention of respiratory infections, including host-responses, microbiome dynamics, screening tools and design of preventive measurement.

### Eureka Highlight:
Realizing that focus and determination might help you to realize your (research) dreams.

### Life after Eureka:
After the Eureka course I continued to pursue my previous research plans. Convinced that quality was at the basis of future success, I focused on setting-up qualitatively sound methods, collaborating where necessary with experts in other fields, allowing us sufficient time to produce significant data for publishing papers. Moreover, I abrogated my clinical fellowship to allow sufficient time to supervise and coordinate all ongoing research activities. I'm confident that as a research group we have unique qualities, making our upcoming work worthwhile for the professional field and general public.

## ALUMNI BIOGRAPHIES

# EVELINE DE BONT

I offer expertise in: Pediatric oncology

### Current career focus:
Within the field of pediatric oncology we seek for new drugable targets in acute myeloid leukemia and pediatric brain tumors. We use a specific kinase activity assay in collaboration with proteome profiler assays. With our network we are able to combine the results in a provisional signaling network profile of specific cancer cells. These profiles demonstrate potential new drugable targets which are tested with in-vitro assays.

### Education, Working experience:
Full professor in pediatrics, especially in the field of pediatric oncology/hematology. Patient care combined with research as described above. Head of the division of pediatric oncology/hematology.

### Future career directions:
Go on with research and combine this with more leadership phenomenons to develop the professional qualities in our division.

### Eureka Highlight:
A major achievement of this course is the thought that what you think/can imagine, can be reached when you really want it.

### Life after Eureka:
“Go for it”.

Degrees Md, PhD
Current Title Professor, Dr
Current Affiliation UMCG, Pediatric, pediatric oncology/hematology

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## ALUMNI BIOGRAPHIES

# LOUIS BONT

I offer expertise in: Respiratory viral infection, immunology, animal models, large cohorts / trials, networking

I seek expertise in:
International collaborations

### Current career focus:
My career focuses on the prevention and treatment of respiratory viral infections during early childhood. I perform bench to bedside studies: I run animal models, genetic human studies, randomized controlled trials.

### Education, Working experience:
I have lead the RSV Research Group since 2003. I have been the primary supervisor of 7 PhD students, of which 5 have finished their studies.

### Future career directions:
I wish to continue doing animal studies to develop new strategies to treat or prevent respiratory viral infection.

### Eureka Highlight:
Complete understanding of all steps of the translational medicine pathway.

### Life after Eureka:
I have formed a Translational Research team with an Immunology professor at my institution, which have lead to publication, a patent application and grant application. To date, no application was successful.

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## ALUMNI BIOGRAPHIES

# SASKIA BRABER

I offer expertise in: I offer expertise in: immunology, COPD, histology, in vivo models

I seek expertise in:
I seek expertise in: clinical research, clinical samples, company collaborations

## Current career focus:
Currently, I am just employed as a post doc at the department Veterinary Pharmacology, Pharmacy and Toxicology, Faculty of Veterinary Sciences, Utrecht University. The subject of my postdoctoral project is immunomodulation of oligosaccharides and is coordinated by the Carbohydrate Competence Center.

## Education, Working experience:
In 2004 I started the master Animal Sciences with the specialization Cell biology and Immunology at the Wageningen University, Wageningen, the Netherlands. During this master program, I performed a five months research project about the role of collagen breakdown products in osteoarthritis at Danone Research in Wageningen, the Netherlands. In January 2007 I joined the department of Pharmacology, Utrecht Institute for Pharmaceutical Sciences, Utrecht University in order to perform a PhD study about the pathogenesis of lung emphysema: lessons learned from murine models. During this PhD project I worked at the Division of Pulmonary, Allergy and Critical Care Medicine at University of Alabama in Birmingham.

## Future career directions:
In immunology, pharmacology, inflammatory diseases

## Eureka Highlight:
Dilemma's
Networking
Teamwork

## Life after Eureka:
Improved my teaching and supervising skills
Learnt from my dilemma and how to solve other dilemma's

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## ALUMNI BIOGRAPHIES

# SYLVIA BRUGMAN

I offer expertise in: Mucosal Immunology

I seek expertise in:
In:everything else

### Current career focus:
My research focuses on the interplay between the microbiota and the host. More specifically, we investigate the role of intestinal bacteria in (intestinal) immune development of the host. This research is performed in the context of chronic inflammatory diseases of the gut. These diseases, such as Crohn's disease and ulcerative colitis, are the result of an aberrant immune response towards the intestinal microbiota. With this research we hope to identify new targets to modify this aberrant immune response.

### Education, Working experience:
I'm a medical biologist. My PhD was on the role of intestinal bacteria in autoimmunity. During this PhD, I got skilled immunological techniques and Medical Microbiology techniques such as genetic typing of and Fluorescent In Situ Hybridization on bacteria. After my PhD I joined the group of prof. Edward Nieuwenhuis at the EMC in Rotterdam to work on bacterial-host interaction in chronic intestinal inflammation. I developed a novel model for the disease in zebrafish. From 2009, we started a new group at the WKZ in Utrecht in close collaboration with the Hubrecht Institute to expand on the zebrafish model.

### Future career directions:
I aim to set-up a novel research group focusing on bacterial-host interactions, using zebrafish and intestinal culture systems. At the same time I aim to facilitate other (clinical) researchers at the WKZ to develop models in zebrafish or culture systems and be the interphase between the WKZ and the Hubrecht Institute.

### Eureka Highlight:
Realizing that my aim in my current position is not to try to be a clinician as well, but to do what I'm good at, experimental research and to set-up collaborations to maximize the knowledge on both sides.

### Life after Eureka:
After Eureka I became more confident in my role as a researcher. The ongoing collaborations with clinicians are running smoothly and I have set up an additional meeting bringing together clinicians and researchers that study mucosal immunology to discuss research once a month.

Degrees PhD
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## ALUMNI BIOGRAPHIES

# MOIRA CLAY

I offer expertise in: Research Management, Strategy and Policy, Career Development, Leadership Development, Stakeholder Management

I seek expertise in:
World's best practice models of translating research into policy and practice

## Current career focus:

Moira is currently the Director of Academic and Research Services at the Telethon Institute for Child Health Research in Perth. This role involves fostering and enhancing the Institute's research capacity with a major focus on development and mentoring of future research leaders, managing key stakeholder relationships and developing the strategic research directions of the Institute. This includes development of key research platforms (including Biostatistics, Bioinformatics and Data Management and Consumer and Community Participation) and innovative models of translating research into benefits for patients and the community (for example, the WA Aboriginal Health Research Network).

## Education, Working experience:

Moira completed a PhD on high density lipoprotein regulation at the Baker Institute in 1990 and went on to do a Postdoctoral Fellowship at the University of Cincinnati. Following this, she took up the position of Research Associate at the Hanson Centre in Adelaide. She subsequently moved from lab research to research management; initially as the National Research Manager for the Heart Foundation from 2000-2005. Following this, she became the Policy Advisor for the Murdoch Children's Research Institute in Melbourne, directing research advocacy, strategy and policy development. She then became the Associate Director of Children's Cancer Institute Australia in Sydney, with primary responsibility for the support, advocacy and advancement of research.

## Future career directions:

Moira has been recently elected to the role of President-Elect of the Australasian Research Management Society (ARMS). This reflects her passion for developing national models of translational research, building health and medical research capacity and the important role of research managers and administrators in Australia. Ultimately, Moira aspires to be the Chief Executive Officer of the National Health and Medical Research Council (the premier funding body of Australian health and medical research) and subsequently she would like to be Prime Minister to be able to deliver on her dream of a research-driven health and education system which is accessible by all Australians.

## Eureka Highlight:

Eureka was a life-changing experience which has allowed me to reflect on my career goals and how I go about achieving them. The students were from all over the world and the bond built between a group of researchers with diverse backgrounds but shared goals was extraordinary. The Faculty also had a profound influence, and their generosity and wisdom was boundless.

## Life after Eureka:

Life after Eureka has been outstanding. I have renewed energy and focus for my career goals. I have made time to reflect and think. I now have a career mentor (an ex-Premier of Western Australia) who is assisting me with building connections and networks. I have implemented a new Research Leadership Program for early-mid career researchers at my Institute. I am leading work to develop the WA Aboriginal Health Research Network – working with Aboriginal communities in regional Western Australia to address health issues relevant to the region. I have led a state-wide initiative to develop and Informatics to Advance Translational Health Research Facility.


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## ALUMNI BIOGRAPHIES

# LORENZO DAGNA

I offer expertise in: - Pathophysiology and medical therapeutics of rare Immune-mediate disorders
- Medical education

I seek expertise in:
Molecular biology and immunology

## Current career focus:

- Associate Professor of Medicine, Vita-Salute San Raffaele University School of Medicine, Milano
- President's delegate for International Relations, Vita-Salute San Raffaele University
- Member of the Steering Committee, San Raffaele International MD Program, Vita-Salute San Raffaele University, Milano
- Coordinator – Clinical Immunology and Rheumatology Unit, Department of Internal Medicine, San Raffaele Scientific Institute, Milano
- Coordinator – Teaching activities, Department of Internal Medicine, San Raffaele Scientific Institute, Milano
- Coordinator – Unit of Rare Immune-mediated disorders

## Education, Working experience:

- Medical Doctor (MD) summa cum laude on July 19, 1999 (Università degli Studi di Milano School of Medicine, Milano).
- Board Certified in Internal Medicine summa cum laude on November 9, 2004 (Università Vita-Salute San Raffaele University, Milano).
- 1999–2005: Physician Scientist, Unit of Human Virology, San Raffaele Scientific Institute, Milano.
- 2005–2008: Research Fellow, Vita-Salute San Raffaele School of Medicine, Milano.
- 2005-Feb 2011: Consultant, Unit of Medicine and Clinical Immunology, San Raffaele Scientific Institute, Milano.

## Future career directions:

- Continue my academic career in the field of Clinical Immunology/Rheumatology and Internal Medicine
- Progress with my research interests in the pathophysiology of immune-mediated rare diseases
- Deepen my skills in the care of patients with immune-mediated disorders

## Eureka Highlight:

When I came to Eureka I had only marginal knowledge of translational research. Eureka was a fabulous experience, not only because it gave me new and special insights in that field, but also for the opportunity to get acquainted with a unique group of young, brilliant and talented researchers worldwide.

## Life after Eureka:

I think that Eureka gave me a more pragmatic view to research and to the processes that are needed to conduct a fruitful research. Moreover, Eureka opened for me a new, unprecedented network of top-level scientific and personal connections.

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## ALUMNI BIOGRAPHIES

# MARCO DONIA

I offer expertise in: Cancer Immunology

### Current career focus:

Adoptive cell transfer of ex vivo expanded tumor infiltrating lymphocytes (TIL) in combination with IL-2 treatment after host preconditioning is emerging as one of the most effective treatment for metastatic melanoma. After having established and validated optimized methods for isolation, characterization and expansion of minimally cultured clinical grade tumor infiltrating lymphocytes, we are currently running a clinical trial of T-cell based immunotherapy with unselected TILs. In this context, we are trying to identify predictive criteria for treatment response and to recognize the specific cell population(s) responsible for effective cancer regression.

### Education, Working experience:

2008: Master Degree in Medicine and Surgery, University of Catania,Italy. 110/110 cum laude
2008-2009: Research Assistant, University of Catania, Italy.
2009-2010: Clinical specialist training in Medical Oncology, University of Catania, Italy.
2010-present: Research Assistant, Center for Cancer Immune Therapy, Copenhagen University Hospital at Herlev, Denmark.

### Future career directions:

I would like to work in the development of more effective therapies for cancer based on the optimization of current drugs/treatments either in an academic or industrial setting.


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## ALUMNI BIOGRAPHIES

# MARIO EHLERS

I offer expertise in: Translational clinical trials in type 1 diabetes

### Current career focus:
Since 2008, I have been Deputy Director of the Clinical Trials Group (CTG) of the Immune Tolerance Network (ITN), an international clinical research consortium founded by the National Institutes of Health, whose mission is to accelerate the clinical development of immune tolerance therapies. The ITN uses a unique hybrid academic/industry model, in which academia, government and industry all play a vital role in the conduct and planning of clinical studies. In addition to demonstrating clinical efficacy, the ITN seeks to define new biomarkers of tolerance in human disease.

### Education, Working experience:
I am an MD/PhD trained at the University of Cape Town, with postdoctoral training at Harvard Medical School. I have 10 years of biopharmaceutical industry experience in drug development, diagnostic product development, and central lab services, and 16 years of experience in academic research. Principal therapeutic areas include diabetes, cardiovascular disease, osteoporosis, and arthritis.

Prior to joining the ITN, I was Chief Medical Officer at Pacific Biomarkers, Inc. (2002-2008) and Chief Medical Officer at Restoragen, Inc. (1998-2002). I was formerly Chairman of the Department of Medical Biochemistry at the University of Cape Town Medical School (1992-1998) and Instructor in Biochemistry at Harvard Medical School (1987-1992).

### Future career directions:
I intend to be part of the team at ITN, and associated research networks, which develops the first successful intervention for new-onset type 1 diabetes and related autoimmune diseases. Beyond my work in translational medicine in the field of immunology, I have the ambition of bringing cutting-edge translational approaches to my alma mater, the University of Cape Town, and serve that institution in a capacity of research administration and policy.

### Eureka Highlight:
I was part of the inaugural Eureka program in 2009. It was a tremendously invigorating experience – I will never forget the quality and dedication of the faculty, the excitement and enthusiasm of the students, and the sublime beauty of Syracuse!

### Life after Eureka:
At the time of my Eureka experience in May of 2009 I had only just joined ITN (less than 9 months) and I had many questions about the ITN style of academic networks and translational research. The Eureka program, both the content and the close interaction with faculty, opened my perspectives on this style of research and have helped me with my ongoing success at ITN.

Degrees MD, PhD
Current Title Deputy Director, Clinical Trials Group
Current Affiliation Immune Tolerance Network, UCSF

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## ALUMNI BIOGRAPHIES

# MARIEKE EMONTS – LE CLERCQ

I offer expertise in: Innate immunity, genetic epidemiology, bacterial infection

I seek expertise in:
career planning, grant application review

## Current career focus:

My research is focused on the innate immune system and immunodeficiencies. Particularly urinary tract infections and severe bacterial infections. I am co-investigator in a large FP7 project on genetic epidemiology of severe bacterial infections for which I take part in the PICU population and focus on correlations between innate immunity and coagulation markers. In urinary tract infections I focus on the role of innate immune markers. Clinically I practise as a general paediatrician and continue a fellowship in pediatric infectious diseases.

## Education, Working experience:

2001: MSc Biomedical Sciences.
2000: MD.
2003 & 2005: Erasmus MC: data-analysis, regression-analysis, statistical models in epidemiology, bioinformatics in medicine, genetic epidemiology of complex diseases.
2010: Pediatrician, Erasmus MC-Sophia, The Netherlands.
2008: SMBWO Immunologist.
2008: PhD 'Polymorphisms in immune response genes in infectious diseases and autoimmune diseases'
2010: ICH-GCP certification.
01/2010-present: consultant paediatrician Erasmus MC Sophia, Rotterdam, the Netherlands
01/2010-present: postdoc department of Immunology Erasmus MC, Rotterdam the Netherlands.
05/2011-present: representative for Young ESPID in the ESPID board.
06-09/2011: Clinical attachment on Dept. Pediatric Infectious Diseases and Immunology, Bone Marrow Transplant unit, the Great North Children's Hospital, Royal Victoria Infirmary, Newcastle-upon-Tyne, UK.

## Future career directions:

Working towards my own research group focusing on innate immunity in bacterial infections in childhood. Building a bridge towards adult immunology and infectious diseases.
Work as a consultant pediatric infectious diseases and immunology in a university hospital.
Increasing my role in ESPID, focused on PID training.

## Eureka Highlight:

Team building and mentoring sessions

## Life after Eureka:

As before Eureka, but with an extended network and increased knowledge on translational medicine outside the direct scope of my day to day practice.

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## ALUMNI BIOGRAPHIES

# CHRISTIAN C. EZEALA

I seek expertise in:
Integrative Pharmacology

### Current career focus:
I am currently in academics and I wish to continue as faculty in Biomedical sciences and Pharmacology in particular.

### Education, Working experience:
I hold MSc and PhD in Pharmacology, and a number of graduate level qualifications in other areas of health sciences including Clinical Research, Public Health, Health Sciences Education, Molecular Basis of Disease, and Intellectual Property. Since 2005, I have held academic positions in Universities. My present appointment is lectureship in Pharmacology in the Fiji National University

### Future career directions:
Teaching and research in Pharmacology

### Eureka Highlight:
Eureka was an interesting experience but also a challenging time when I had to move away from my comfort zone. Eureka exposed me to a number of concepts and viewpoints that are now helping to shape my career. The social environment was also memorable.

### Life after Eureka:
I have moved on to study intellectual property in more detail. I now lead a research team that focuses on obesity and hypertension studies; I am a member of College Research Committee and Chair of Department of Health Science Research Committee


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## ALUMNI BIOGRAPHIES

# JOEP VAN ESCH

My name is Joep van Esch (1979) and I live in Schiedam, the Netherlands with my girlfriend Debby and my son Storm (2009).

I graduated for my bachelor in applied medical sciences in 2000 (Etten-Leur, the Netherlands). Three years later I received my master in medical biology at the University of Nijmegen, the Netherlands. In 2003, I started as a phD-student on the Department of Internal Medicine - Sector Vascular Medicine & Pharmacology of the Erasmus MC in Rotterdam, the Netherlands under supervision of Prof.dr. A.H.J. Danser. I defended my thesis entitled "Unraveling the Renin-Angiotensin System: From ACE to Renin Inhibition" in 2008.

After obtaining my phD, I started as a post-doctoral fellow within the same department where I continued my work on the renin angiotensin system. Currently I am predominantly working on projects studying the mechanism and effects of renin inhibition, angiotensin metabolites and the AT2 receptor in the cardiovascular system.

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## ALUMNI BIOGRAPHIES

# DOMENICO FASCI

I offer expertise in: Biochemistry of Ubiquitin-like proteins. Proteases, Enzimology

I seek expertise in:
Cancer Genetics

### Current career focus:
I am currently interested in the study of the SUMOylation/deSUMOylation cycle. Modification of proteins by SUMO is a reversible process that regulates protein function and localization in several cellular responses. My research focuses on the mechanisms that regulate the function of SUMO specific proteases (SENPs). I have been developing tools to target these enzymes in human cells, and to define their specificity.

### Education, Working experience:
Upon graduating in Biotechnology from University of Bologna, Italy (March2006), I joined Dr. MH Ginsberg Laboratory at UCSD (Nov2006-June2008) where I worked on characterization of integrins' interactions, and gained experience in cell and molecular biology. I am currently enrolled in the Biomedical Sciences Ph.D. Program at Sanford-Burnham Medical Research Institute, where I am conducting my thesis research under the supervision of Dr. Guy S. Salvesen.

### Future career directions:
Once I will have finished with my Ph.D., I will be looking for a post-doctoral position. I would like to keep my focus on Ubiquitin-like proteins (Ubls) research. Deregulation of the Ubls pathways plays a role in the development of several diseases like cancer. My goal is to investigate the mechanisms that regulate Ubls pathways, and how their deregulation contribute to the development of the disease. I will try to bring my biochemical expertise to the next level.

### Eureka Highlight:
It was an unique learning opportunity that made me discover the world of Translational Medicine. I have realized how difficult is to bring a great idea from the bench to the bedside, and how bringing together different expertise and effective communication are the key for the success.

### Life after Eureka:
I have learnt few important lessons:
- Stay focused and keep it simple
- Collaboration is crucial
- Choose wisely the question you want to address

I was able to find collaborators for my research project, and I am also definitely more focused than before. I have also realized how important is to look at the problems from different points of views, and always keeping in mind the big picture.

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## ALUMNI BIOGRAPHIES

# GEORGIA FOUSTERI

I offer expertise in: Autoimmune diabetes (tolerance, Treg therapy, antigen-specific immunotherapy), Immune responses to acute/persistent viral (LCMV) infection

I seek expertise in:
Human immunology, Humanized mouse models, Transplantation tolerance, Grant/article writing

## Current career focus:

I am trying to understand how tolerance to insulin in humans and murine models is lost leading to type 1 diabetes (T1D) and how it can be regained by manipulating the immune system. Of focus is the contribution of one particular genetic determinant, a gene named PTPN22, which is humans and its homolog in mice encodes a tyrosine phosphatase involved in TCR signaling. Since, a particular SNP in PTPN22 has been associated with T1D, understanding its contribution in tolerance loss may have significant implications in altering the natural history of the disease.

## Education, Working experience:

I graduated from University of Crete, Biology school, in 2000. After finishing my Masters degree in Molecular Biology in 2002, I continued with my Ph.D. studies in the same University. In 2006 I received my Ph.D. and moved to USA, San Diego, CA, at the La Jolla Institute of Allergy and Immunology. I worked in Matthias von Herrath' lab for almost 4 yrs as a postdoctoral fellow and at the end of 2009 moved at the San Raffaele Scientific Institute where I worked for ~1yr with Maria-Grazia Roncarolo. Presently I work with a new and very promising PI, Manuela Battaglia.

## Future career directions:

I would prefer to remain in academia and follow an independent investigator path trying to unlock the mysteries of T1D pathogenesis. Establishing my own team where I will implement the knowledge and values my colleagues, students and foremost previous PIs taught me is my dream. I want to be a leader that will contribute in changing the lives of patients dealing with T1D and possibly other autoimmune diseases.

## Eureka Highlight:

Very interacting and engaging course. We learn a lot about ourselves and understand how the world of translational medicine operates. Many experienced researches that are not afraid or concerned to share their experiences with us, teach us with kindness and passion.

## Life after Eureka:

The Eureka course experience made clearer the path I want to take and helped me see how to achieve my future goals. I established new network of people (friends and colleagues) with who I can collaborate or seek their honest opinion and unconditional help.

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## ALUMNI BIOGRAPHIES

# SABINE FUCHS

I offer expertise in: D-amino acids / hopefully soon in regenerative medicine for liver diseases

I seek expertise in:
Regenerative medicine

### Current career focus:
I am just switching my career focus from D-amino acids to regenerative medicine for pediatric liver diseases (see future career directions).

### Education, Working experience:
1983–1987: Lycée International, St. Germain-en-Laye, France.
1987–1992: St. Maartens College, Maastricht
1992: Final exam gymnasium cum laude
1992–1993: Spanish, Colegio Nueva Universidad de Granada, Spain
1993–1998: Pharmacy, University of Utrecht
1998: Doctoral exam Pharmacy cum laude
1998–2000: Post-doctoral pharmacy study, University of Utrecht
2000: Final exam Pharmacy
2000–2001: Medical school, University of Utrecht
2001: Doctoral exam Medical School cum laude
2001–2003: Post-doctoral medical course, University of Utrecht
2003: Final exam Medical School cum laude
2003–2012: Residency in pediatrics, combined with PhD, University Medical Center Utrecht
2010: PhD: D-serine in health and disease

### Future career directions:
Translational medicine!: my plan is to combine clinical work with research (finally 30-40% clinical work versus 60-70% research) in the area of pediatric liver diseases. We hope to perform the first liver stem cell transplantations in our hospital in 5 years time (in collaboration with the stem cell research group of the Hubrecht laboratory in Utrecht).

### Eureka Highlight:
For me, the highlight of Eureka was to meet and learn from a group of people with impressive careers, original (research) ideas and instructive experiences and struggles in translational medicine (both staff and participants), which will hopefully pave our road from bench to bedside.

### Life after Eureka:
I went to Eureka with a slumbering feeling I needed to change the focus of my research. Since then, I have actively evaluated opportunities and changed the direction to a new (and in my opinion) exciting project! In addition, I did share my ideas during this process with some other Eureka alumni.


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## ALUMNI BIOGRAPHIES

# F.A. (FLORIS) VAN GAALEN

I offer expertise in: Rheumatic disease (spondylarthritis, ankylosing spondylitis, rheumatoid arthritis), autoimmunity, immunogenetics

I seek expertise in:
Fundamental immunology, intellectual property development

Degrees MD, PhD
Current Title Rheumaologist
Current Affiliation Rheumatology, LUMC, Leiden, The Netherlands
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## Current career focus:
At the moment (July 2011), I am starting a research group aimed at understanding the association between the Major Histocompatibility Complex (MHC) also known as HLA and ankylosing spondylitis a form of spondylarthritis. By understanding the pathogenetic processes that underlie this type of disease, the aim is to create tools that aid in diagnosis of disease and develop new therapies.

## Education, Working experience:
I am an MD with a medical specialty in internal medicine and rheumatology. I did my PhD on humoral autoimmunity in rheumatoid arthritis.

## Future career directions:
For the future I am looking for collaborations in genetics and immunology. Inter-disciplinary collaboration as well as out of the box thinking always welcome.

## Eureka Highlight:
The highlights of Eureka were the one-to-one mentoring sessions.

## Life after Eureka:
Life after Eureka had been wonderful. EUREKA helped me sharpen my focus and helped me expand my horizon internationally.

## ALUMNI BIOGRAPHIES

# KEVIN GOUDY

PhD, San Raffaele Scientific Institute, Post-doctoral Fellow

Dr. Goudy has a unique background in business and science. Before returning to earn his PhD in Immunology, he worked in upper management for an international corporation based in the USA. During his tenure in business, he learned many key aspects related to managing a publicly traded company, and the important factors involved with client relationships. During his time in business, he led over 150 people and was directly responsible for maintaining greater than 8 clients at a time. He was recognized as one of forty outstanding businessmen from 14,000 employees.

Despite his knack for business, he returned to the scientific field to pursue his passion in immunology. His studies have primarily focused on understanding and designing immuotherapies for autoimmune diseases; primarily type 1 diabetes. Since returning to science, he has worked in the laboratory of several world-renowned investigators in the type 1 diabetes field. Although he has only returned to science a few years ago, he has authored and coauthored more than 10 peer-reviewed articles and has presented at many key scientific meetings. Because of his success he was recognized as one most promising graduate students and awarded both the Burroughs Wellcome Award and a T32 training grant given to the most promising students in the department.

Since completing his PhD, Dr. Goudy has relocated to Milan, Italy to further develop a career in translational medicine in the immunology/diabetes field. His current projects include clinical and pre-clinical studies leading toward tolerance induction. He collaborates with other investigators and companies to develop new therapeutics to reduce or reverse the complications of type 1 diabetes.

Dr. Goudy received his Masters in Medical Science from University of Florida, specializing in cytokine therapies in autoimmunity, and his Doctorate in Microbiology and Immunology from University of North Carolina-Chapel Hill focusing on the immunological aspects of type 1 diabetes.

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## ALUMNI BIOGRAPHIES

# LAURA HEITMAN

I offer expertise in: Drug-receptor interactions (GPCRs) and in vitro experiments

Degrees MSc, PhD
Current Title PhD
Current Affiliation University of Leiden, LACDR, The Netherlands

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## ALUMNI BIOGRAPHIES

# IMO HOEFER

I offer expertise in: Biobanking, Experimental models

I seek expertise in:
Career planning

### Current career focus:
My current focus is on the integration of data from different (-omics) platforms, biobanks and marker identification/verification/validation. Moreover, I am focusing on translational pre-clinical experimental models of cardiovascular disease.

### Education, Working experience:
I started doing research as an MD student in 1997 at the Max-Planck Institute in Bad Nauheim, Germany. Since my PhD I am working at the UMC Utrecht, Netherlands.

### Future career directions:
Within the next years, I hope to be able to focus more on the translation of results into application instead of focusing on publishing.

### Eureka Highlight:
The whole course! But team building was very special when 20 strangers became friends in less than 1 day.

### Life after Eureka:
Life after Eureka has been too short so far to change it dramatically. It goes by small steps, but Eureka certainly had a major impact on these steps.

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## ALUMNI BIOGRAPHIES

# SANNE HOEKS

I offer expertise in: Clinical Pediatrics with focus on neonatology and immunology

I seek expertise in:
1. Cellular immune-logy
2. Use of creative methods in challenges related to translational medicine

### Current career focus:
- PhD (2007 – 2009 and 2011 - 2013)
- Clinical fellowship in neonatology (2013)

### Education, Working experience:
- MD (2004)
- Specialization in pediatrics (2011)

I've recently finished my clinical specialization as a pediatrician and will continue with a clinical fellowship in neonatology in 2013. Until then I'll work on a PhD project that focuses on the interaction between the innate and adaptive immune system in the development of the neonatal immune system.

### Future career directions:
In the future I hope to combine clinical and scientific knowledge in translational research that will concentrate on prevention of the consequences of neonatal asphyxia.

### Eureka Highlight:
A chance to meet and to learn from experienced people, all different aspects concerning translational research. A chance to build a network with participating scientists of different (international) backgrounds, interests and with different capacities.

### Life after Eureka:
Participating in Eureka created awareness of all different challenges involved in translational research, the importance of collaborations in research and how to achieve them. Furthermore, I've learned to apply a critical approach to research questions and to the assumed answers.

Degrees MD
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## ALUMNI BIOGRAPHIES

# GERO HOOFF

I offer expertise in: bioanalytics,
small molecule analysis, pharmaceutical questions

I seek expertise in:
people and project management

### Current career focus:
Current projects focus on the discovery of cancer specific markers - Translational Medicine project) ; metabolite identification and quantification. Development of assays for high-throughput sample analysis, DBS analysis, improving diagnostics in the microbiology field.

### Education, Working experience:
(licensed) pharmacist with work experience; Diploma (rheumatoid arthritis, drug discovery and metabolism); Ph.D. (neuroscience, Alzheimer research, analytical method development and validation); visiting researcher in Canada and the UK; postdoc (bioanalytics, chromatography, mass spectrometry, small molecules).

### Future career directions:
Seeking for challenging new position with more responsibilities in terms of people and/or project management, preferably in an industrial setting; lableader.

### Eureka Highlight:
Style of teaching and providing information, including group interaction.

### Life after Eureka:
A few personal and professional contacts; trying to apply the “translational” thought to different aspects of research in general.

Degrees Ph.D
Current Title scientific researcher
Current Affiliation Laboratory of Neuro-Oncology and Clinical and Cancer Proteomics Dept. of Neurology, Erasmus MC, P.O. Box 2040 3000 CA Rotterdam
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## ALUMNI BIOGRAPHIES

# PATRICIA HUNTER

I offer expertise in: PhD, Paediatric Rheumatology Research Fellow, Institute of Child Health, University College London

I seek expertise in:
Delineating and modelling the pathophysiology of arthritis in children with the aim of improving treatment and discovering the cause.

For the past four years, Dr Hunter has been developing ways of predicting whether a child's arthritis will worsen, requiring vigorous intervention or whether it can be controlled with minimal treatment. She is preparing to publish her work showing that gene expression, cellular composition and the expression of chemoattractant molecules differ at diagnosis between children whose disease will extend and those whose disease will self-remit or stabilize. These findings have the potential to prevent disability and absence from school through the development of a prognostic test that will identify children who could benefit from early intervention and frequent follow-up.

Working in the laboratory of Dr Lucy Wedderburn at UCL's Institute of Child Health, Dr Hunter utilizes state-of-the-art analytical tools to follow the clues provided in samples from the many children being treated for arthritis at Great Ormond Street Hospital. These clues give way to hypotheses that Dr Hunter tests by recapitulating in vitro disease processes occurring in the patients.

Dr Hunter holds a Master of Science degree in medical genetics at the University of Toronto, Canada and a PhD in T cell immunology from the University of Cambridge, UK.

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## ALUMNI BIOGRAPHIES

# SYLVIA KAMPHUIS

I offer expertise in: SLE; Genetics, Immunology, Clinical experience and Patient

I seek expertise in:
Interact /learn from other researchers with expertise in genetics/immunology

### Current career focus:
Building a lupus expertise centrum with a research programme attached.

### Education, Working experience:
Training as a pediatrician and pediatric rheumatologist in UMC Utrecht. PhD in cellular immunology. Staff position Erasmus university Rotterdam. Postdoctoral Clinicial Research Lupus Fellowship, Hospital for Sick Children, Toronto, Canada. Currently on staff in Sophia Children's hospital, Erasmus University Rotterdam.

### Future career directions:
Clinical and Translational research, leader regarding lupus related topics, collaborator on other topics.

### Eureka Highlight:
Interaction with participants
Knowledgeable, experienced and inspiring faculty.

### Life after Eureka:
Within 6 months after Eureka I moved to Toronto for a 2 year lasting postdoctoral Lupus fellowship. Here I was trained as a clinical lupus specialist and started several research projects.
I just returned to my tenure position as pediatric rheumatologist in Rotterdam, with continuing projects in Toronto and a new project (with collected patient material from Toronto) to be started in Rotterdam.

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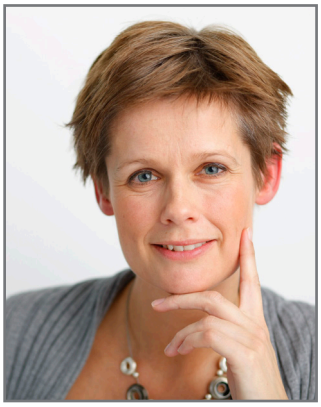
## ALUMNI BIOGRAPHIES



# ISMÉ DE KLEER

I offer expertise in: - Neonatal immunology, pediatrics, allergic asthma
- Carrier building female researchers
- Timemanagment

I seek expertise in:
Egulatory issues, business, effective communication, managerial issues.

### Current career focus:
I am a postdoc in the Laboratory of Immuneregulation and Mucosal Immunity of Ghent University, headed by Prof. Bart Lambrecht on a Marie Curie European International Fellowship grant (FP7). I work on the immunepathology of allergy and asthma in the context of the immature and developing immune system and lungs.

### Education, Working experience:
MD, pediatrician
PhD in pediatric rheumatology
Two years experience as a general pediatrician and senior researcher, co-promotor of 3 PhD students.
Postdoc at Ghent University.

### Future career directions:
After my postdoc position has ended I aim at a fellowship Pediatric pulmonology (clinics) and to continue my research line on above subject in The Netherlands.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## ALUMNI BIOGRAPHIES

# PIM J. KOELINK

I offer expertise in: Molecular biology

I seek expertise in:
Immunology

### Current career focus:
The inflammatory signals that lead to infiltration of inflammatory cells in the intestine upon breaking of the intestinal epithelial barrier, and the role of the different types of immune cells in these processes.

### Education, Working experience:
I have received a BSc in experimental zoology and molecular biology with a practicalperoid on developmental biology. Afterwards I obtained a MSc in Biology. After working in a commercial laboratory (Campina Quality Lab) I have done a PhD on colorectal cancer in a University hospital setting. Now I am working as a post-doc on inflammatory bowel disease and infiltration of immune cells in the intestine.

### Future career directions:
Write grants to “start” my own group on current career focus.

### Eureka Highlight:
Amazing atmosphere and surrounding to meet people and develop a similar mind-set.

### Life after Eureka:
To be honest not really different than before, but at least I worked on my dilemma, which is still there.


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Current Affiliation Post-doc
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## ALUMNI BIOGRAPHIES

# KARL-HEINZ KONOPKA

I offer expertise in: Pain

I seek expertise in:
Clinical research

### Current career focus:
Interested in peripheral and central mechanism of pain. Applicability of fMRI, Pet and others as biomarker and potential implication for early clinical drug discovery.

### Education, Working experience:
University degree in Biology, PhD final year, 13 years of neuroscience experience gained in academia, biotech and big pharma. Preclinical and clinical research experience.

### Future career directions:
Translational science in the field of pain, most likely to be in pharmaceutical settings.

### Eureka Highlight:
Structured insight into translational aspects, discussions wth key opinion leader, meeting dedicated people from tutor till students.

### Life after Eureka:
Busy, getting thesis done, used insights gained in course for job application.

Degrees MSC
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## ALUMNI BIOGRAPHIES

# STIJN LAMBRECHT

Degrees MPharm, PhD
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9000 Gent,
Belgium,
Stijn.lambrecht@ugent.be

I offer expertise in: Rheumatology research; molecular biology

I seek expertise in:
Whatever is interesting for translational science

### Current career focus:
I am currently working on several projects with a translational character in rheumatology research. This ranges from validation of potential diagnostic markers to basic exploration projects in cartilage biology.

### Education, Working experience:
I got a basic education as master in pharmaceutical sciences and obtained a PhD in Pharmaceutical sciences (pharmaceutical biotechnology) at Ghent University. I continued my research education as a post-doc at the department of Rheumatology at Ghent University. These research projects have resulted in patent applications and subsequent collaborations with partner companies to validate our laboratory findings.

### Future career directions:
I aim to continue my research career with a focus towards projects with a translational character. I gained a special interest in multi-partner large scale research projects.

### Eureka Highlight:
I found the case studies extremely interesting. These gave insights in some real-life examples, hurdles and practical useful solutions.

### Life after Eureka:
No exaggeration please. Eureka was a very interesting meeting, but it did not change my life.

## ALUMNI BIOGRAPHIES

# BARBARELLA LUCARELLI

I offer expertise in: Rheumatology research; molecular biology

I seek expertise in:
Whatever is interesting for translational science

Dr. Barbarella Lucarelli received her M.D. degree from the University of Bologna in 2003. She completed her internship and residency in Hematology at the Division of Hematology, Department of Cellular Biotechnologies and Hematology, Sapienza University in Rome, where she attended to clinical care of cancer patients undergone allogeneic stem cell transplantation. Thereafter, Dr. Lucarelli started a doctorate degree in Hematology at Sapienza University of Rome, and, since 2008, she joined the group of Maria Grazia Roncarolo at Telethon Institute of Gene therapy, San Raffaele Scientific Institute (HSR-TIGET) in Milan.

Dr. Lucarelli's research interest mainly focuses on translational medicine in the field of allogeneic hemopoietic stem cell transplantation. She has a special interest in the modulation of the immune system, in order to develop strategies aimed at eliminate the graft-versus-host disease while preserving antitumor and antimicrobial immune competence, in patients undergone allogeneic stem cell transplantation. At HSR-TIGET, she is currently involved in the adoptive immunotherapy project with IL-10 anergized T cells after haploidentical stem cell transplantation, aimed at promoting long-term tolerance and improving this modality of treatment further. Specifically, under the supervision of Dr. Rosa Bacchetta, she performed follow-up immunological studies and integrated the data with the clinical outcome, contributing to prepare the manuscript.

## ALUMNI BIOGRAPHIES


# YVONNE LEE YIN LENG

I offer expertise in: Clinical epidemiology research

I seek expertise in:
Career and research mentor

### Current career focus:
I am focusing on developing competencies in the field of lymphoma and expand clinical epidemiological research to genetic epidemiology. My goal is to instill ethical research and provide caring environment as effective leadership and teaming are essential qualities of the work place.

### Education, Working experience:
Mount Sinai School of Medicine, New York, United States 2009.
Master of Public Health
State University of New York, Potsdam, United States 2005
Bachelor of Science (Magna Cum Laude), Major: Biology

Epidemiologist, National Cancer Center, Singapore June 2011 to Present
Clinical epidemiologist, Clinical Research Center (CRC), Ministry of Health Malaysia August 2009 to October 2010
- Develop research protocol, budget planning and manage resources
- Data collection, management and analysis
- Grant and medical writing

### Future career directions:
To pursue doctorate studies in the field of molecular epidemiology.

### Eureka Highlight:
The board members are committed in engaging members to experts in the field of translational research and offer supportive and conducive learning experience.

Degrees Master Public Health
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## ALUMNI BIOGRAPHIES

# CHRISTOPH LICHT

I offer expertise in: Pediatric Nephrology
Translational Research

### Current career focus:
- Staff Nephrologist
- Translational research with clinical and basic (lab based research) on complement-based renal diseases

### Education, Working experience:
- Medical training (university / clinical) in Germany
- Board certified Pediatrician and Pediatric Nephrologist
- 3 year postdoc research fellowship in Nephrology (Dallas, TX)
- Habilitation and member of medical faculty, University of Cologne, Germany
- Staff Nephrologist SickKids, Associate Professor University of Toronto
- Associate faculty of IMS and LMP, University of Toronto
- Since 1992 both clinical and research experience

### Eureka Highlight:
- EUREKA conference venue
- Interaction with course mates


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Current Title Associate Professor
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## ALUMNI BIOGRAPHIES

# CAROLINE LINDEMANS

I offer expertise in: I offer expertise in: Blood and bone marrow transplant related matters, GVHD,, clinical research, ethical committees

I seek expertise in:
I seek expertise in: how to partner up with a lab based scientist, cellular therapy, self-efficacy within an organizational context

## Current career focus:
I am currently working in the pediatric blood and bone Marrow transplant unit of the UMC Utrecht. I am involved in clinical cell therapy protocols, such as for mesenchymal stem cells for GVHD, getting protocols approved by the ethical committee and being involved with these studies from design to clinical practice.

## Education, Working experience:
MD 2002
PhD 2006
Pediatrician April 2010. Since January 2010 working in the pediatric BMT unit for a clinical fellowship in Immunology/BMT ( 36 months).

## Future career directions:
In the coming year I want to start doing research abroad. My idea would be to be fully involved in lab-research for two years and after that to combine with clinical work. My hope would be to work in a large pediatric BMT unit in the future and collaborate closely with a lab based scientist on research projects.

## Eureka Highlight:
- The “Yes we can spirit”, which is really crucial to turn things around.
- The great “off the beaten track” course which can be put together by a group of scientists of amazing commitment.
- Mentoring talks.
- The great location and the Sicilian wines ☺

## Life after Eureka:
More focus and determination to pursue a career combining medicine and science.


Degrees MD, PhD
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## ALUMNI BIOGRAPHIES

# MAROESKA TE LOO

### Current career focus:
As a Pediatric Hemato-Oncologist my research is focused on Oncology. Special field of interest is pharmacogenetics. I have my own research line in pharmacogenetics in patients with acute lymphoblastic leukemia, osteosarcoma patients en Ewing sarcoma. Furthermore, a special interest in pharmacological studies, e.g. fase I , II and III studies are present.

### Education, Working experience:
MD and PhD
Pediatric Hemato-Oncologist since 2005
Pediatric Pharmacologist since 2009
Head of the Pediatric.

### Future career directions:
Further development of my research line in pharmacogenetics as also more translational research.

### Eureka Highlight:
Stimulating, fun, increasing knowledge.

### Life after Eureka:
Goals more clearly defined, further development as a person.


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## ALUMNI BIOGRAPHIES

# PHILIP R. MCQUARY

I offer expertise in: Protein Synthesis and Aging

I seek expertise in:
Moving from the bench to managing a successful start-up biotechnology company

### Current career focus:
Currently I'm finishing up my doctoral research. Over the past three years, I have focused my attention on understanding why decreasing protein synthesis extends longevity in an evolutionary conserved manner.

### Education, Working experience:
After my undergraduate degree, I was involved in helping to develop three start-up biotechnology companies. Soon thereafter I decided to further my development as an independent scientist and transitioned back to academia to pursue a M.Sc. at San Diego State University followed by a Ph.D. at Sanford-Burnham Medical Research Institute. Currently, I am scheduled to graduate in the spring of 2012.

### Future career directions:
After graduation, I plan on transitioning back into an industrial setting in an optimal fashion. I would like to explore collaborative ventures with professors at Sanford-Burnham.

### Eureka Highlight:
Understand the ever changing field of translational research and identifying ways to strengthen bridges between the various aspects. Meeting like minded individuals and building a network of scientist that I can collaborate with in the future. Plus the Sicilian experience and food was spectacular!

### Life after Eureka:
I believe that the Eureka course offered important and exciting new insights into translational medicine that complemented my current academic achievements. The course help forge me into a better independent research scientist well positioned for the transition back to a future position in the life science field. Networking with like minded scientists will allow me to build a bridge necessary to lead a company in the current start-up environment. The on-going training in translational medicine will not only help me get a better understanding of new industrial standards, but will also guide me in ascertaining business acumen in the life science field.


Degrees M.Sc. Biology
Ph.D. Biomedical
Science 2012
Current Title Graduate Student
Current Affiliation Sanford-Burnham Medical Research Institute
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## ALUMNI BIOGRAPHIES

# VEERLE MELOTTE

I offer expertise in: Epigenetic biomarkers for the detection of colorectal cancer

I seek expertise in:
career development

## Current career focus:

For the moment I work as a postdoc in the department of pathology, University Maastricht. We recently found NDRG4 methylation to be a potential non-invasive biomarker for the early detection of colorectal cancer. Currently we are validating this biomarker in independent large, randomized clinical trials. This project will be performed in collaboration with Exact Sciences, a biotech company located in Madison, Wisconsin, USA that licensed the rights to commercially use NDRG4 methylation. In addition, I am studying the potential tumor suppressive role of NDRG4 in colorectal cancer using different in vivo models.

## Education, Working experience:

I performed my Phd at the department of Pathology, University Maastricht, The Netherlands, focusing on the identification of novel epigenetic biomarkers for the noninvasive detection of colorectal cancer in stool and blood DNA. Since 2008 I am working as a postdoc in the same department, elaborating on the biomarker data by studying the function of NDRG4 in gut development, development and progression of colorectal cancer using different mouse models. In addition I work as a projectcoordinator for DeCoDe (Decreasing colorectal cancer death) which is funded by the Center for translational Molecular Medicine (CTMM).

## Future career directions:

In the next month I will try to further unravel the role of NDRG4 as a tumor suppressor gene in colorectal cancer using different mouse models. From March 2012 I will start to work as a postdoc in the lab of Prof. Trautwein in Aachen, Germany, to learn more about different in vivo models of cancer.

## Eureka Highlight:

All the personal discussions and possibilities to discuss career dilemmas with faculty.

## Life after Eureka:

When I was in Eureka in May my dilemma was to proceed or not to proceed in an academic carreer. The Eureka course really helped me to put my thoughts together and I am focusing again on an academic carreer. I looked at different job opportunities (to change labs/universities) and was able to use the Eureka Network to discuss my different options. From March 2012 I will start as a postdoc in the University of Aachen, Germany. In the meanwhile I am writing different grants and I started my first mice experiments here in Maastricht. I still have a lot contact with some people of the course.

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## ALUMNI BIOGRAPHIES

# FRIEDERIKE MEYER-WENTRUP

I offer expertise in: Tumor-immunology, Balancing clinical/research tasks, doing research abroad

I seek expertise in:
Setting up/ leading own research group, strategic planning/ decision making

### Current career focus:
Finishing a clinical fellowship in pediatric hematology/oncology in November 2011. In parallel research to identify a ligand for a C-type lectin receptor expressed by antigen-presenting cells.

### Education, Working experience:
Since 2008: Fellow of the Department of Paediatric Haematology/Oncology of the Wilhelmina-Kinderziekenhuis, UMC Utrecht, Netherlands.
2009: Doctorate degree from the Medical Faculty of the Raboud University Nijmegen, Netherlands.
2007-2008: Paediatric resident in the Wilhelmina-Kinderziekenhuis, UMC Utrecht, Netherlands.
2003-2007: Postdoctoral scholar at the Department of Tumour Immunology, Nijmegen Centre of Molecular Life Sciences, Netherlands.
2001-2003: Paediatric resident in the Children's Hospital of the Martin-Luther-University Halle-Wittenberg, Germany.
1999-2000: Paediatric resident in the Children's Hospital of the Bavarian Julius-Maximilians-University Würzburg, Germany.
2000: Doctorate degree from the Medical Faculty of the Bavarian Julius-Maximilians-University, Würzburg, Germany.

### Future career directions:
Starting in November 2011: 2-year KWF-fellowship (Dutch Cancer Research Foundation) to study the role of a C-type lectin in acute B-cell leukemia
In 2012: Research rotation in the laboratory of Prof. Hidde Ploegh, Whitehead Institute, Boston, USA
In parallel: Starting up own research group at the CMCI in Utrecht, Netherlands, focus: pediatric tumor immunology

### Eureka Highlight:
Reinforcement of my feeling that with determination, focus, hard work and luck a lot of great things can happen.

### Life after Eureka:
Got protected research time, got grants to pursue own research ideas, am currently busy to set up my own research line.

Degrees MD, PhD
Current Title Pediatrician, Fellow Ped. Hematology/Oncology
Current Affiliation WKZ, University Utrecht Medical Center, Netherlands
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## ALUMNI BIOGRAPHIES

# BRUNO MIRANDA

I offer expertise in: Neurology (memory complaints and neuropsychological tests, Cerebral vein thrombosis); Some experience in clinical trials design

I seek expertise in:
Neuroscience; Neurophysiology; Computational approaches

### Current career focus:
Dedicated to basic research in neuroscience, particularly in combining experimental work with computational approaches in decision-making and reinforcement learning;
Involved in a multi-centre clinical study in cerebral vein thrombosis.

### Education, Working experience:
Medical degree at the University of Lisbon;
Junior doctor training in London;
Masters degree at the University of Lisbon.

### Future career directions:
Aim to combine neuroscience research with neurology.

### Eureka Highlight:
- Contact with scientists with technical expertise and personal experiences in translational medicine.
- Knowledge about the preclinical phases.
- Exposure to particular regulatory details.

### Life after Eureka:
Awareness about challenges of translational medicine.


Degrees Medical degree;
Masters degree in Neuroscience
Current Title Dr.
Current Affiliation University College of London & Champalimaud Neuroscience Programme
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## ALUMNI BIOGRAPHIES

# JORIS VAN MONTFRANS

I offer expertise in: Primary Immuno Deficiencies

### Current career focus:
Expand clinical and outpatient wards for patients with primary immuno deficiencies.
Expand clinical research for this patient category, including genetic research.
Collaborator in basic research in PID patients.

### Education, Working experience:
MD PhD, Pediatric Immunologist.

### Future career directions:
Key player in Pediatric Immunology in the Netherlands.

### Eureka Highlight:
Outdoor opera visit.

### Life after Eureka:
As nice as before….

Degrees MD, PhD
Current Title Pediatric Immunologist
Current Affiliation Wilhelmina Children's Hospital UMC Utrecht
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## ALUMNI BIOGRAPHIES

# DANIEL MORGENSTERN

I offer expertise in: Paediatrics, paediatric oncology
UK ethics

### Current career focus:
I have just completed my clinical training in paediatric oncology, combined with post-doctoral research work in tumour immunology. I am pursuing further training/experience in drug development and early phase trials through future posts at the Royal Marsden Hospital and SickKids Toronto.

### Education, Working experience:
I completed a PhD in neurosciences as a medical student and have since specialised in paediatric oncology working at several hospitals in London. As a Clinical Lecturer, I have undertaken a number of laboratory-based research projects exploring aspects of tumour immunology and the development of clinical protocols for immunotherapy trials. I am now qualified as a paediatric oncologist and consolidating my experience in translational research before taking up a definitive post.

### Future career directions:
I plan to remain with paediatric oncology with an active interest in both clinical practice and translational research, e.g. validation of new drug targets, development of biomarkers and running of clinical trials.

### Eureka Highlight:
It's difficult to pick a particular highlight – the course as a whole was an amazing experience, from the fantastic venue and group 'bonding' session on the second day to the many helpful sessions and discussions. The opportunity to meet experts from around the world in a relaxed atmosphere was probably the major single highlight.

### Life after Eureka:
I am continuing to pursue a career oriented towards translational medicine with future posts in early phase clinical trials and then a research fellowship at SickKids, Toronto which came about as a result of contacts made during the Eureka workshop.


Degrees MB BChir MA (Cantab)
PhD MRCPCH
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## ALUMNI BIOGRAPHIES

# ALEIXO MUISE

Dr. Aleixo Muise completed his BSc at Sr. Francis Xavier University and his PhD in Biochemistry at Dalhousie University. Dr. Muise obtained his MD at the University of Toronto and then completed is Pediatric Residency and subspecialty training in the Division of Gastroenterology, Hepatology and Nutrition at SickKids. Dr. Muise was recently appointed as Assistant Professor in the Division of Gastroenterology, Hepatology and Nutrition, Department of Pediatrics, and as a Scientist Investigator in the Program in Cell Biology, Research Institute, Hospital for Sick Children, University of Toronto.

### Research Interests:
Inflammatory Bowel Disease

### Research Activities:
Dr. Muise's research has focused on understanding the pathogenesis of the inflammatory bowel disease (IBD), which include Crohn's Disease (CD) and Ulcerative Colitis (UC). Both CD and UC are chronic diseases that affect the intestinal tract of children, adolescents and adults and are often associated with severe morbidity. The causes of IBD have not yet been identified; however, we now understand that IBD occurs in genetically susceptible individuals and is due to an inappropriate and exaggerated immune response to intestinal bacteria in the setting of impaired intestinal epithelial barrier function. Recent genetic studies have shown that alterations in bacterial clearance, generalized immune dysfunction, and barrier defense are important in the pathogenesis of IBD.

His collaborative work focuses on understanding the role of IBD genes identified in both genome wide association studies (GWAS) and candidate gene approaches. We have recently identified an association with IBD and single nucleotide polymorphisms (SNPs) in the PTPRS (encoding PTPsigma) and in the CDH1 (encoding E-cadherin) genes. We have also shown through genetic and functional studies that these SNPs result in altered protein production that, in part, ultimately leads to the development of IBD. We plan on further studying these proteins (and others) so as to determine their specific role in the development of IBD.

y, in the style of Janet Hafler for 2 months- although I try to reflect in a non written way), but some have lived on – realizing that I need to rejoice in success, trying to motivate other around me, and aspiring for high quality translational research.

## ALUMNI BIOGRAPHIES

# LEIGH ANNE NEWHOOK

Dr. Leigh Anne Newhook is a Pediatrician at the Janeway Child Health Centre as well as an Associate Professor of Pediatrics at Memorial University. Her clinical roles include general pediatrics and diabetology.  Dr. Newhook also is involved with pediatric research and medical education; areas of interest include the epidemiology and genetics of type 1 diabetes in Newfoundland and Labrador, diabetic ketoacidosis, breastfeeding, childhood obesity, vitamin D and pediatric resident research training. She is a centre leader for the Canadian Child Health Clinician Scientist Program and will assume the role of Medical Director of the Janeway Pediatric Research Unit in September 2011. Leigh Anne, her husband Paul and their children Sam, Ben, Kathleen, and Henry live in St. John's, Newfoundland and Labrador, Canada.

## ALUMNI BIOGRAPHIES

# KIRAN NISTALA

I offer expertise in: T cell assays

### Current career focus:
I have submitted two grants for intermediate clinical fellowships focused on mechanisms of disease pathology in Juvenile arthritis and Juvenile Dermatomyositis.

### Education, Working experience:
I completed my clinical training in Birmingham and Great Ormond Street Childrens hospital in paediatric rheumatology. My PhD was in Professor Wedderburn's lab, UCL institute of Child Health, completed June 2011.

### Future career directions:
I have been appointed as a full time clinical paediatric rheumatologist at Great Ormond Street Hospital, London and am due to start work in November 2011. I am hopeful that my scientific grants will be successful and I will be able to combine my clinical and research interests in Juvenile Arthritis.

### Eureka Highlight:
1) Norms mentoring 2) Learning to have self belief 3) talking about ice cream!

### Life after Eureka:
Some of my good intentions have died (kept a personal diary, in the style of Janet Hafler for 2 months- although I try to reflect in a non written way), but some have lived on – realizing that I need to rejoice in success, trying to motivate other around me, and aspiring for high quality translational research.

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Work number: 44 2079052617

## ALUMNI BIOGRAPHIES

# LIEVE NUYTINCK

Lieve Nuytinck holds a Master in Biology (1984) and a Ph.D. in Medical Sciences (1999) from Ghent University. In 1989 she started at the Department of Medical Genetics, University Hospital Gent, were she headed the research laboratory for heritable connective tissue disorders where biochemical and molecular techniques were applied for research and diagnostic purposes.

In 2002 she started working for Innogenetics NV, Ghent, initially at the R&D division responsible for developing new genetic tests. In 2004 she moved to the diagnostic program group for genetic diseases, oncology and immunology where she was involved in business development. In 2006 she joined the Technology Transfer Office at Ghent University, where she holds the position of IPofficer. Recently, the Clinical Research Center at the University Hospital Ghent, has been established with the main focus on developing and managing a Biobank and facilitating translational Biomedical research. In this newly created Center she is responsible for valorization.

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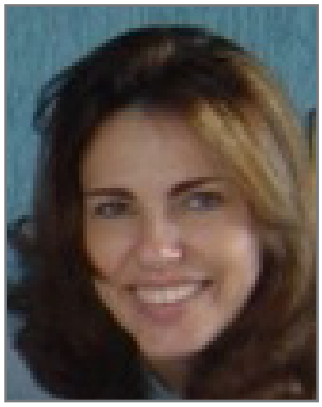
## ALUMNI BIOGRAPHIES



# CRISTINA SALVIATO PILEGGI

I offer expertise in: Immunization and pediatric rheumatology
Communication: presentations, network

I seek expertise in:
Lab experience and molecular immunology

## Current career focus:

As a continuation of my previous research, I am setting up my own research line as I pursue my primary professional goal: collaborating to find a definitive treatment for children with rheumatic diseases. To achieve this I need to build a team using a translational medicine focus. However, I have a big hamper: One of the undeveloped areas at my university is translational medicine, this may be due to a lack of comprehensive education of researchers about the importance of this concept that can bring clarity to the challenges faced in "innovating new treatment modalities". Continues in the future plans….

## Education, Working experience:

My position since 2000 has been as a Consultant in Pediatric Immunology and Rheumatology at the Medical Center of FMRP-USP, mentoring and instructing fellows in this field. I also have collaborated in related research as a full member of the Pediatric Rheumatology International Trials Organization (PRINTO). Professor of basic immunology to medical students since 2010. Master degree and PhD at the University of Sao Paulo. Research Fellow in pediatric rheumatology at the University Medical Center Utrecht, The Netherlands, for 6 months in 2006.
At the moment, I am a member of a working group of experts formed to develop specific immunization recommendations for children and adolescents with rheumatic diseases, sponsored by EULAR.

## Future career directions:

Therefore, to reach my personal goals cited above, I aspire to a professor position at the university that would allow me to develop this working structure. Because, as I said before, my university is structured quite traditionally with most disciplines working independently and without the kind of collaborative culture that translational medicine requires. Career advancement often does not seem to be based on merit. "Talent, perseverance and willingness are not attributes enough to conduct research groups or even to apply for resources, a position as professor is fundamental.

## Eureka Highlight:

Program: perfect and with a broad vision about the extent of the difficulties and challenges of working in translational medicine. The faculty: integrated group and honed on the subject, in addition to being friendly and available to help even outside the time reserved for mentoring sessions. Opportunity to have in real time experience doing in-group work, dynamic environment. Wonderful place and food!!!!

## Life after Eureka:

Eureka made me reflect deeply on my life in general, not only professionally. I must admit it was not easy returning from there with so many ideals and dreams, and having to face reality head-on as it is. I've just described my work environment; imagine the extent of the frustration to realize how difficult it would be to be an agent of change. I have had ups and downs, sometimes I really want to fight, other times I feel like giving up ... and then come an invitation to met some friends with the same ideals and dreamers, an opportunity to recharge the strength to continue and renew the enthusiasm to reach our life goals.

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## ALUMNI BIOGRAPHIES

# SERGIO A. QUEZADA

I offer expertise in: Cancer Immunology

I seek expertise in:
Bench to bedside

### Current career focus:
I am a new Principal Investigator at the University College London Cancer Institute. Our scientific focus is to study the interplay between cancer and tumors in order to inform the development of novel anti-cancer therapeutics. At this stage my career focus is to set up my lab and establish myself as an independent investigator with expertise in mouse models of cancer immunology but also capable to efficiently translate our basic findings into tangible therapeutics.

### Education, Working experience:
I trained as a PhD student in Randy Noelle's lab at Dartmouth Medical School in the US where I learned about immune-regulatory circuits, immune tolerance and mouse models of transplantation and autoimmunity. As a postdoctoral fellow I worked with Jim Allison at MSKCC in new york where I initiated my studies in cancer immunology focusing in the interplay between immune and cancerous cells within the tumor microenvironment. My work focused in manipulation of immune inhibitory receptors (i.e. CTLA-4) restricting the immune response to cancer.

### Future career directions:
To establish and lead a powerful research program in cancer immunology at UCL where the study of the basic aspects of the interaction between the immune system and cancer will lead to the design, test and implementation of novel therapeutics that will then be tested in clinical trial on site, nationally and then internationally.

### Eureka Highlight:
The fellow, the faculty, the fantastic learning environment and most importantly the mentoring I got regarding my scientific career and the pursue of translational science as a scientific north.

### Life after Eureka:
When approaching a grant submission, a meeting, a potential new collaborator or the implementation of a new idea potentially convertible into a product, the lessons from eureka always come to mind. This alumni meeting at this time will be key to further mature the knowledge acquired and to discover

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## ALUMNI BIOGRAPHIES

# ANNEMARIE VAN ROSSUM

I offer expertise in: Pediatric Infectious Diseases and Immunology. Clinical research, multicenter trials

### Current career focus:
In 2008 I received several personal grants to start a translational researchline on colonization and infection by Mycoplasma pneumoniae in children in close collaboration with dr. C. Vink, associate professor in molecular biology. This researchline focuses on a common pathogen causing pneumonia in children. We perform clinical studies on the epidemiology, diagnostics and treatment of infections caused by this bacterium. In the laboratory we investigate molecular mechanisms underlying antigenic variation of M. pneumoniae. This work aims at discovering new targets for antibiotics. In addition I am principal investigator of an international, prospective, randomized, multicenter intervention trial in neonates suspected of early-onset sepsis.

### Education, Working experience:
MD degree in 1998. PhD degree cum laude in 2002 on research on clinical, virological, immunological and pharmacological aspects of the treatment of HIV-1 infected children (national multicenter study). 2002-2007 residency Pediatrics. During residency (2004-2005) Research Fellowship at the Dept of Microbiology of the University of Pennsylvania, Philadelphia, USA on infection and colonization of the respiratory tract by streptococcus pneumoniae in a murine model. 2007-2008 general pediatrician at the Erasmus Medical Center Rotterdam, The Netherlands. 2009-2011 Clinical Fellowship Pediatric Infectious Diseases and Immunology. Currently working as consultant in Pediatric Infectious Diseases and Immunology at the ErasmusMC-Sophia ChildrenÕs Hospital, Rotterdam, The Netherlands (25% of work time), combined with work as a clinician scientist (75% of work time).

### Future career directions:
My aim is to continue to combine patient care with research in order to be able to translate research from bench to bedside and vice versa. The focus of this research will be on respiratory tract infections with M. pneumoniae as a model to elucidate pathogenesis of respiratory tract infections and to improve diagnostics and therapeutical options. In collaboration with the departments of Pulmonology and Neonatology we will focus on the role of Mycoplasmata in the development of broncho-pulmonary dysplasia.

### Eureka Highlight:
- Getting some insight in how regulatory agencies and commercial companies work and think.
- Getting insight in the steps necessary for commercialization of scientific findings and knowledge
- Wine and cheese
- Inspiring participants from all over the world with different scientific backgrounds.

### Life after Eureka:
One vacation, two submitted grant proposals, and three submitted papers.


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## ALUMNI BIOGRAPHIES

# META ROESTENBERG

I offer expertise in: Infectious diseases

I seek expertise in:
Vaccinology

### Current career focus:
Finishing my training as an infectious disease specialist!

### Education, Working experience:
I was trained as MD, almost finished my thesis on the induction of protection to Plasmodium falciparum malaria in humans, and am now working to finish my training as infectious diseases specialist.

### Future career directions:
I would like to continue to translate in vitro or animal models into human trials in an attempt to contribute to developing vaccines for poverty-related diseases

### Eureka Highlight:
Finding our way to the teambuilding exercise on the beach!

### Life after Eureka:
More dedicated than ever!

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## ALUMNI BIOGRAPHIES

# MARINA SCAVINI

I offer expertise in: Senior Scientist, Diabetes Research Institute, San Raffaele Scientific Institute, Milan (Italy)

Dr. Scavini has been working at the San Raffaele Scientific Institute as a physician scientist since 1988. The focus of her research has been the replacement of beta cell function in patients with type 1 diabetes, through either a technological approach (implantable programmable pumps for intraperitoneal insulin delivery) or a biological approach (pancreas or islet transplantation). During a five-year stay at the University of New Mexico (2000-2004) she worked on three NIH-funded projects on kidney disease in American Indians.

In December 2008 Dr. Scavini has joined the Diabetes Research Institute at the San Raffaele Scientific Institute (HSR-DRI). At DRI she collaborates with and mentors faculty and fellows on study design, data management and data analyses issues during the planning and conduction of clinical trials of new medications or educational intervention for the treatment of diabetes and its complications. She has authored over 40 publications in peer-review journals, many of them in collaboration with foreign academic institutions.

Dr. Scavini received her medical degree and doctorate and completed an endocrinology fellowship at the University of Milan (Italy). She completed a research endocrinology fellowship at the University of New Mexico Health Sciences Center, in Albuquerque, NM, working on the development of an implantable programmable pump for intraperitoneal insulin delivery.

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## ALUMNI BIOGRAPHIES

# MICHIEL SCHREUDER

### Current career focus:
My main research focus is on the developmental programming of the kidney. Using gold-standard stereological and telemetry techniques, I have shown that growth restriction during nephrogenesis, both prenatally and postnatally, in the rat results in a low nephron endowment. Several animal models as well as organ cultures are used to study different insults (such as growth restriction, drugs, maternal diseases), pathways, and clinical consequences such as proteinuria, renal function, and blood pressure.

### Education, Working experience:
1999-2006; Pediatric resident and PhD-student ("AGIKO"), VU University Medical Center, Amsterdam, the Netherlands.
6 Oct 2006; PhD thesis cum laude "Safety in glomerular numbers. Consequences of intrauterine growth restriction on renal morphology, function and disease." VU University Medical Center, Amsterdam, the Netherlands.
2006-2009: Fellow Pediatric Nephrology, VU University Medical Center, Amsterdam, Erasmus MC-Sophia Children's Hospital, Rotterdam, and Radboud University Nijmegen Medical Centre, the Netherlands.
Apr 2007-Sept 2008: Visiting research fellow, Nephro-Urology Unit, UCL Institute of Child Health and Great Ormond Street Hospital for Children, London, UK.
Since 2009: Consultant Pediatric Nephrology, Radboud University Nijmegen Medical Centre, Nijmegen, the Netherlands

### Future career directions:
My aim is to continue the combination of clinical work with research, focusing on kidney development and perinatal programming of renal development.

### Eureka Highlight:
Eureka showed me how bright a research light can be! Finding this in myself and staying in contact with others from Eureka keeps that fire alive in me as well. Besides this driving force, my capacities and self-belief have grown considerably.

### Life after Eureka:
Life after Eureka is different, even though it is difficult to reach every goal set. It has helped me enormously to define for myself who I am and what I would like to achieve, and ever since I have been striving to get there, even with some severe obstacles.


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## ALUMNI BIOGRAPHIES

# CHONG YAP SENG

Associate Professor Chong Yap Seng is a clinician-investigator with special interest in fetal growth and early development. He is the Principal Investigator of the National Research Foundation Metabolic Translational and Clinical Research Flagship Programme, a $25 million study on the developmental origins of metabolic disease, and an Adjunct Principal Investigator in the Singapore Institute for Clinical Sciences, Agency for Science, Technology and Research.

His other research interests include strategies to promote breastfeeding, the genetic epidemiology of pregnancy-related disorders, and intrapartum and postpartum management issues. He has over 70 peer-reviewed publications and received more than $27 million in competitive grant funding. He also has numerous collaborations with industry, particularly in the area of early human development and nutrition. In his administrative role, Assoc Prof Chong heads the Medical Education Unit and the NUHS Leadership in Academic Medicine programme and is actively involved in faculty development and mentoring, educational policy as well as the promotion of academic medicine. His contributions to medical education have been recognized by university and national awards.

Assoc Prof Chong is a Senior Consultant in the Department of Obstetrics & Gynaecology, National University Hospital. As the Consultant in charge of the Delivery Suite in NUH since 2001, Yap Seng balances interests in high-risk obstetrics with natural childbirth and breastfeeding advocacy.

## ALUMNI BIOGRAPHIES

# JANNEKE STAPELBROEK

After graduating from secondary school in 1995, I started medical school at the University Medical Center St. Radboud in Nijmegen, The Netherlands. Because of my interest in pediatrics, I chose for an extra clinical elective in pediatrics at University College of London, UK and did my research internship at the department of pediatric gastroenterology of the University Medical Center in Utrecht, The Netherlands. When I got my medical degree in 2002, I had the opportunity to start as a research physician at the department of pediatric gastroenterology and the laboratory of metabolic and endocrine diseases before starting my specialization in pediatrics. During this project I had my first experience with translational research and developed a great interest in, and enthusiasm for the 'other side' of medicine. After starting my specialization in pediatrics in 2004, I combined my clinical training with a PhD research project at the same department. We have explored the pathogenesis of ATP8B1 deficiency, an autosomal congenital liver disease, and used this new knowledge to develop new treatment options for these patients. As part of a collaboration on this project, I spent half a year with a research group in King's College Hospital in London, UK. King's College is one of the main liver centers in Europe with a lot of experience in pediatric liver transplantation. During these 6 months I was able to use a large genetic database for my research project and to work as an senior house officer at the pediatric liver ward where I learned a lot about hepatology and liver(cell) transplantation. In 2009 I got my doctorate degree for my thesis entitled "ATP8B1 deficiency; Pathophysiology and treatment of a cholestatic syndrome with extrahepatic features".

I expect to finish my pediatric specialization in the beginning of 2012. I recently got funding for a PhD student for two years to continue our work on ATP8B1 deficiency while I finish my clinical training. After my specialization I will start as a resident in pediatric gastroenterology at the department of pediatric gastroenterology of the University Medical Center in Utrecht. The future plans include the setting up of a sub-department of epithelial stem cell transplantation within the department of pediatric gastroenterology. For me, this is a great opportunity to combine my interest in gastroenterology and transplantation medicine and will allow me to continue doing translational research in the future.

## ALUMNI BIOGRAPHIES

# URI TABORI

Profile:

- Neurooncologist, Division of hematology/oncology, The hospital for Sick Children, Toronto.
- Assistant Professor of Pediatrics. Institute of medical sciences, University of Toronto.
- Scientist, genetic and Genomic biology, The research institute and the Arthur and Sonia Labatt Brain tumor Research Centre. The hospital for sick Children, Toronto.

Dr Tabori received his medical degree from the Hebrew University in Jerusalem in 1996. He comleted his residency and fellowship in Pedatric hematology/ oncology in Tel Aviv University in 2002.

In 2003 he was awarded a Fellowship in combined research and neurooncology at the hospital for Sick Children in Toronto.
Since 2007 Dr Tabori is a staff oncologist at the division of hematology/oncology at the hospital for Sick Children in Toronto. He was promoted to a scientist position at the research institute in 2008 and is a member of the Arthur and Sonia Labatt Brain tumor Research Centre.

His research focuses on mechanisms that control tumor growth arrest and response to therapy. Specifically, the role of telomere maintenance in pediatric nervous system tumors. This research is funded by research grants from the Canadian Institute of Health Research, Ontario Institute of Cancer Research and the Brain Tumor Society.

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## ALUMNI BIOGRAPHIES

# KLAUS TENBROCK

I seek expertise in:
When is the right timepoint to patent an idea and go to a company?

### Current career focus:
Development of a continuously funded research group.

### Education, Working experience:
MD, Pediatrician, Pediatric Pneumologist and Pediatric Rheumatologist,
Basic science: T cell immunology, Th17/Treg development, transcriptional regulation of T cells (cAMP dependent).

### Future career directions:
Independent professorship at University.

### Eureka Highlight:
Exceptional teaching course, exceptional faculty, exceptional location,
Exceptional group.

### Life after Eureka:
The conference taught me that the work we are doing is important and will advance our care for patients in the future. However, it is still very hard to combine clinical duties with leadership of a lab and to compete with basic scientists for funding at the moment.


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## ALUMNI BIOGRAPHIES

# ROGIER THURLINGS

I offer expertise in: B cells, biologicals, bedside-to-bench, rheumatology

I seek expertise in:
Statistical analysis of large data sets, lab skills, translational ideas

### Current career focus:
I am currently a Rheumatologist in training and a post-Doc at my department. I aim to establish my own research line and am applying for grants. Furthermore, I supervise a PhD student. The coming period I want to increase my skills through traineeships.

### Education, Working experience:
After my study in Medicine I spent 4 years on research and wrote a PhD thesis on B cells and B cell directed therapies for rheumatoid arthritis. Since three years I am in clinical training for rheumatologist.

### Future career directions:
My goal for my future career is to establish a translational research line in rheumatology. I would like to work in collaboration with different players in the field: basic scientists, clinicians, patient groups, pharmaceutical companies and biotech with the ultimate goal to find the cause of and cure rheumatic diseases.

### Eureka Highlight:
I loved the energy-driven atmosphere, the beautiful setting, the light-hearted social time and the passion and dilemmas of all participants and speakers.

### Life after Eureka:
Eureka made me more aware of challenges and developments in translational medicine. It inspired me how to shape my own research line and I learned of possible collaborations. It also made me more aware of my strengths and weaknesses and which personal strengths are required in performing successful research.

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## ALUMNI BIOGRAPHIES

# FEMKE VAN WIJK

I offer expertise in: Immune regulation, chronic inflammation. Combining basic and human immunology research

### Current career focus:
Developing research lines in translational immunology with a focus on immune regulation in chronic inflammation.

### Education, Working experience:
Masters degree Biomedical Sciences, Utrecht University. PhD Mechanisms of oral tolerance and allergic sensitization to peanut, Utrecht University Postdoctoral fellow University Medical Centre Utrecht, lab Berent Prakken. Immune regulation in arthritis. Visiting scientist UCSD San Diego, lab Salvo Albani. Antigen-specific immunotherapy. Postdoctoral fellow La Jolla Institute for Allergy and Immunology, USA, lab Hilde Cheroutre. Mucosal immunology. Assistant professor University Medical Center Utrecht, lab Berent Prakken. Immune regulation in chronic inflammation: understanding and exploiting immune plasticity

### Future career directions:
Setting up a translational immunology research line with strong collaborations. Personal development as a researcher and supervisor. Training young people.

### Eureka Highlight:
The intensity of the interactions and events. They made you think and realize.

### Life after Eureka:
The Eureka course was one of those rare opportunities to focus on personal development by creating the right setting and interactions. The course provided tools to consider and to become better aware of the options and choices that lie ahead in my professional career.


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## ALUMNI BIOGRAPHIES

# ORSOLYA VARGA

I offer expertise in: animal ethics, animal law

I seek expertise in:
Toxicology, animal research,

### Current career focus:
Validation of type 2 diabetes animal models.

### Education, Working experience:
Medical university, faculty of law, PhD In public health. Postdoctoral fellowship in research/animal ethics.

### Future career directions:
Evaluation of predictive validity of animal models.

### Eureka Highlight:
Pragmatic aspects of translational medicine in animal research.

### Life after Eureka:
I have returned to work after maternity leave.


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## ALUMNI BIOGRAPHIES

# IRIS VAN VLODROP

I offer expertise in: Iris van Vlodrop

I seek expertise in: Fundraising

### Current career focus:
Currently, I just finished my PhD project, and I am already proceeding within this project as a pre- post-doc. In the near future I need to be successive in fundraising in order to continue my research. My focus will be on increasing the preliminary data and writing (personal) research proposals.

### Education, Working experience:
At the Radboud University Nijmegen, The Netherlands, I have obtained a Master of Science degree in Human Patho-Biology, and minor degrees in Oncology and International Health.Very recently, I finished my PhD research on the renal cancer methylome: tumor biology and clinical applications at the Maastricht University Medical Center, The Netherlands. Furthermore, I have been abroad (Johns Hopkins and Yale University of Medicine) to learn novel research techniques and to collaborate with international institutes.

### Future career directions:
First, I will start as a post-doc in the same research field as my PhD-project (tumor biology and clinical applications (biomarkers)). For the future I would like to increase the translational and clinical aspects.

### Eureka Highlight:
Connecting with many different people who are in diverse levels of their scientific career, coming from several countries around the world.

### Life after Eureka:
Future-minded. Decision-making concerning career steps. Connected to many people within the field.

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