Swedish Research Council

Swedish Research Council has granted funding to the following CMM researchers:

- **6,000,000 SEK 2017-2020**
  - Olle Kämpe
  - Per Eriksson
  - Göran K Hansson
  - Ingrid Lundberg
  - Birgitta Henriques-Normark
  - John Pernow

- **3,000,000 SEK 2017-2019**
  - Martin Schalling
  - Lars Terenius
  - Roland Nilsson
  - Francesco Cosentino

- **2,100,000 SEK 2017-2019**
  - Agneta Nordenskjöld
  - Johan Grunewald

- **4,000,000 SEK 2017-2019**
  - Ning Xu Landén

Other grants

**Stephen Malin** received funding from Heart and Lung Foundation, 800,000SEK for 2017-2018

**Maria Sabater Lleal and Silvia Aldi** received 600,000 SEK from the Heart and Lung Foundation for 2017-2018 for the project: “New genetic risk factors for venous and arterial thrombosis”.

**John Pernow** received 1 400 000 SEK x 3 years from Heart and Lung Foundation for the project “The importance of endothelial- and erythrocyte dysfunction for cardiovascular complications in type 2 diabetes”.

**Tomas Ekström** has received 2 500 000 SEK of ALF-funding (3 years).

**Catharina Lavebratt and Martin Schalling** was granted 1 000 000 SEK from the foundation Ekhagastiftelsen for their project ‘Microbiota in children and adolescents with neuropsychiatric diseases: a new way of treatment’

**Jacob Wikström** has received 4 500 000 SEK funding from the Leo Foundation to study mitochondrial function in wound healing.

You find a complete list of all grants received at: [http://www.cmm.ki.se/en/anslag-2016-2/](http://www.cmm.ki.se/en/anslag-2016-2/)

**Awards**

**Melanie Pieber** (Harris group) was awarded an SLB travel award at the EMDS 2016 congress in Amsterdam, Netherlands (September)

**Harald Lund** (Harris group) was awarded the best poster prize at the KiiM retreat 2016 (October)

**Jakob D. Wikström**, MD PhD in the Dermatology group has received G.B. Morgagni Young investigator Award. The prize is handed out biannually to two young researchers in Europe within the field of diabetes.
**Bioelectronic Medicine, Key Symposium**

Bioelectronic medicine brings together molecular biology, neurophysiology, neurotechnology and analytics to facilitate the electrical signal used by the nervous system to communicate information to treat disease and injury. While still in early stages of development, bioelectronic medicine has already been proven in studies and clinical trials to successfully treat conditions including paralysis and rheumatoid arthritis.

The Key Symposium in September 2016 called Bioelectronic Medicine — Technology Targeting Molecular Mechanisms, was organized by The Feinstein Institute for Medical Research, the Journal of Internal Medicine (JIM), Karolinska Institutet and the Royal Swedish Academy of Sciences.

“It’s a pleasure to see so many scientists from so many different institutions and disciplines under one roof, and it only furthers our belief that bioelectronic medicine is indeed the future of medicine,” said session chair, Peder Olofsson, MD, PhD, director of the Center for Bioelectronic Medicine, Karolinska Institutet.

Source: Press release from Feinstein Institute and http://www.feinsteininstitute.org/programs-researchers/bioelectronic-medicine/

**New Network On Brillouin Light Scattering**

Stephen Malin is a member of a new EU-COST network starting 2017 on Brillouin light scattering microspectroscopy for biomedical research applications. Brillouin light scattering is capable of label free measurements of intracellular longitudinal moduli and the elastic properties of cells, with optical resolution and without cell contact. The microscopes are not yet commercially available, but versions combined with endoscopy and other diagnostic approaches are being developed. This will be applied to a number of autoimmune conditions.

COST Actions is a networking instrument for researchers, engineers and scholars to cooperate and coordinate nationally funded research activities. The organization supports science and technology networks and are active through a range of networking tools, such as workshops, conferences, training schools, short-term scientific missions, and dissemination activities.
**CMM SEMINARS**

**Translational research in unstable carotid atherosclerosis and stroke**
Speaker: Ulf Hedin, Professor
Department of Vascular Surgery, Karolinska University Hospital
Host: Jan Alvar Lindencrona
10 November 12.00
CMM Lecture Hall, L8:00

**Functional Fluorescence Microscopy Imaging (fFMI) in Biomedical Research**
Speaker: Tijana Jovanovic-Talisman, Assistant Professor, Department of Molecular Medicine, Beckman Research Institute of City of Hope.
Host: Vladana Vukojevic
17 November 12:00
CMM Lecture Hall, L8:00

**Dog diseases as roadmap to human health – cancer and autoimmune mediated syndromes**
Speaker: Henrik Rönnberg, Professor in Veterinary Internal Medicine, Department of Clinical Sciences, Swedish University of Agricultural Sciences, Uppsala
Host: Tomas Ekstrom
21 November 12:00
CMM Lecture Hall, L8:00

**Characterizing Antibody Mediated Autoimmunity in Lupus Tubulointerstitial Nephritis, Inside Out.**
Speaker: Andrew Kinloch
Knapp Center for Lupus & Immunology Research
University of Chicago
Host: Johan Grunewald
24 November 12:00
CMM Lecture Hall, L8:00

**Dissertations**

November 18, 09.00
CMM Lecture Hall L8:00

“Telomeres and telomerase and their functional applications in myeloproliferative neoplasms and acute myeloid leukemia”
Jenny Dahlström
Opponent: Richard Rosenquist Brandell, Uppsala Universitet
Supervisor: Dawei Xu
Extended exome sequencing identifies BACH2 as a novel major risk locus for Addison’s disease


CMM Scientists Participate In Ground-Breaking Fast Track Medical Programme

What is “Snabbspår” (Fast track)?
The wave of immigration has increased dramatically in Sweden, among other EU countries, over the past few years. How do we help those arriving here? Why isn’t there an efficient, swifter way to facilitate the integration of the academic fraction of immigrants within the Swedish society? This was a question that struck retired paediatric doctor and scientist, Professor Sten Lindahl. Together with his colleague and friend Professor John Wahren, he founded the novel fast-track pilot medical programme “Snabbspår”, that was established in April 2016. Thanks to their efforts, medical doctors seeking refuge in Sweden from war-troubled countries, such as Iraq and Syria, now have the possibility to equalise their medical degree and complete their medical board exam in less than a year. After completing an intense 2-month Swedish language course at Södertörns Högskola in Stockholm, participants undergo both theoretical and practical medical training at Karolinska University Hospital. By January 2017 all participants will be able to complete their Swedish medical board exam and practice medicine in Sweden thereafter.

Day of Rheumatology at Centre for Molecular Medicine (CMM)
The Rheumatology groups at CMM are pleased to partake in the medical training of these promising candidates, and contribute to the newly founded medical programme. Professor Marie Wahren-Herlenius and Albin Björk, MD and PhD student, organised a day of Rheumatology, in collaboration with Professor Sten Lindahl, for the participants of “Snabbspår” on the 30th of September, 2016. Accomplished rheumatologists and scientists, including operations chief PhD Cecilia Carlens, Professor Ingrid Lundberg, Professor Helena Erlandsson Harris, Docent Iva Gunnarsson, Rheumatologist PhD Saedis Saevarsdottir, and PhD Stina Salomonsson, gave lectures on rheumatic diseases, immunology, and treatment. “I am pleased to host this Day of Rheumatology and contribute to such a promising, ground-breaking pilot programme,” asserts Albin Björk.

A new beacon of hope
Being a part of such an intense and demanding programme has given ambitious young men and women a new beacon of hope after arriving to a new foreign land. “I now feel that my days have purpose. I have been granted this unique opportunity, and to contribute to the country that has welcomed me. Once I complete this medical programme, and am able to practice medicine once again, I can give something back to the Swedish society,” states Mustafa Ali Shareef, a motivated 31-year-old medical doctor from Iraq. He is 1 out of 16 other male and female participants in the pilot programme. This dynamic group comprises of 9 medical doctors, 3 dentists, 2 nurses, and 2 medical students, originating from Iraq, Syria, Afghanistan and Russia.

Yes we can!
The success of this pilot medical programme will pave the way for future foreign medical experts seeking refuge in Sweden. “We are eternally grateful for this once in a lifetime opportunity granted to us, and owe our deepest gratitude to the efforts of Professor Sten Lindahl and colleagues. We will try our best to ensure the success of this pilot programme, so it can be implemented permanently in the Swedish medical training in the future” explains Mustafa on behalf of the entire group of participants of “Snabbspår” 2016.

Written by Lara A. Aqrawi, Ph.D.
CMM Day From an Attendees Point of View

The CMM day 2016 started from the CMM vision and organization, which gave everybody an outline of the CMM mission and perspective for the future, followed with presentations from some active researchers in CMM for their research work with good coverage of the CMM research topics. Usually it is easier to figure out what topic or project a group physically located in the same floor are working with, so to invite speakers from different floors to increase more communication and foster potential collaborations within CMM one of the goals of CMM day 2016.

You may have noticed, this year the presenters were distinguished, relatively young researchers, not yet professors. This is in my opinion fantastic as we have fewer chances to hear them compared to the professors. This session was followed by a short coffee break, which took place in the same room as poster exhibition. Since I missed the beginning of the event, I thought I would like to grab the opportunity to glance around, but hardly got time to find the poster owners after managing to grab a cup of coffee.

I soon needed to get back to the lecture hall given the fact that we were a bit behind the schedule, a common problem during conferences, unfortunately. The advanced technique session after seemed very interesting from the agenda, though next day while I chatted with a few colleagues in CMM and the feedback was diverse. This reminded me an old Chinese proverb, ‘it is difficult to cater for all tastes’, and in my opinion, this might be due to limited time to elaborate details of the technique. I understood it as the people who were interested in the technique could approach those who had a talk afterwards.

All in all, it would be perfect to have a bit more time for poster session with a slightly bigger space. More time for communication and for the presenters of course, which suggest that it might be worthy to stretch the next CMM day to a whole day event.

Written by Mingmei Shan

CMM Day Feedback survey

In general, the score from the different parts of the day were 4 or 5 (five being very satisfied) with appreciative comments regarding the content, presenters and the work of the scientific committee. There were also things that needs to be improved the next time and the feedback in this survey will be thoroughly considered when planning the event for the spring 2018. We got a 30% response on the survey, counting the number of registered people, thanks to all of you for taking the time!

Major issues that will be considered to next event are:

- The possibility to have a whole day scheduled.
- Better venues for poster sessions and more scheduled time/time for mingling.
- Scoring of posters, poster award, poster presentations.
- More general information about the science performed in the house and more scientists presenting.

Ingela Loell

Staff News

Chuanyou Xia, a post-graduate student from Shandong University, China, recently joined Hematology Laboratory as a PhD candidate. He is supposed to study inflammation/immunology and relation to Hodgkin lymphoma under supervision by professors Magnus Björkholm and Hans-Erik Claesson.
Superintendent’s Corner

How to book the L8:00 Lecture hall for dissertations

The L8:00 lecture hall is reserved for CMM affiliate dissertations on Fridays 08:00-13:00. If no booking has been made eight weeks ahead of time, the reservation is cancelled and other meetings or lectures can be held there.

To make it easier for you to plan the date of your dissertation, please follow the instruction:
1. Log on with your CMM user id and password to intra.cmm.ki.se/phpsched or booking.cmm.se when you are at location in the CMM building
2. Choose Schedule
3. Choose Resource calendar
4. Change calendar from All resources (default) to Lecture Hall L8:00
5. Choose your preferred Month + Year

To find out whether the lecture hall is booked or not on a specific Friday, point at (place the mouse) on the 08:00 booking. A yellow box will open and show status, booked or still available.

Contact Maria Rastas at maria.rastas@ki.se to make your reservation.

An email will be sent to you to confirm your booking.

Maria Rastas

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The CMM mission is by combining experimental and clinical research to increase understanding of common chronic diseases and their origin thus to improve treatment.

The CMM concept is to promote molecular research and clinical application on common chronic diseases.