The Department of Biomedicine
Newsletter
Issue 01/21
18. January 2021

Dear colleagues,

Many of us have said goodbye to the old year in the hope to leave much of 2020 behind us as quickly as possible. The pandemic and its consequences will have to continue with hard rules, distance and restrictions, which will also have a lasting impact on our lives and our work. However, we have made at least until end of January. On the bright side, our lab activities are slowly approaching a state of normality, and we can start planning ahead again, including a tightening of the belts.

I follow with great respect the tremendous efforts to get vaccination on the way and hope that everybody will be able to get it. Yet, this process will unfortunately be back to normal of course, the question is, when this is a new normal. One aspect of the vaccination should take no pivotal, as it is almost a commercial product now, and we will see, how the pharmaceutical industry will, a pretty new approach to define the 'antigen' for revaccination, to adapt to the mutations of the virus. This will be a challenge, but it will be a major strength of our research.

The new year also started with some exciting developments: first, we welcome Prof. Dr. Sebastian Kobold as the new director of the Clinical Pharmacology, a major investment of the Cancer Society. With this support, it may be possible to establish a CAR-T cell production facility, which is a prerequisite for a clinical application of these promising cancer therapies using CAR-T cells. The building is almost completed, and some operations may start as soon as March. Second, we will see the start of the Cancer Center Cologne Bonn, innovative Research domain, right, start in January.

Despite the RCN deadline coming closer, I would also like to draw the attention to the new call for the Research Training Groups (Graduiertenkollegs) in a broad context, for medical students. The deadline for drafts is the beginning of March, and it would be great if we could find several collaborators to recruit the students in the Cologne Medical School and beyond.

We also established the Department Newsletter, which should inform about the activities in the Department. Please report information and news to me, so that we can keep it up-to-date and informative.

Yet, the pandemic has changed our lives significantly, and we miss some of our very have-experiment, such travelling may have some disadvantages, but it also has many advantages, especially for the young personal development and exchange. Unfortunately, these have also been transferred to other? activities. This is an enormous effort which, so far, has been tremendously successful, but it is also exhausting for many. In some delays which are inquired our control and we always need to adapt our plans to some obstacles.

Nevertheless, I wish you the New Year and optimistically look forward to the challenges awaiting us.

Yours sincerely,
Ulrich Kalb

Human Resources

In
for Lab employees

Out
for employees at UK

Move within
at the University of Bonn

We welcome these new employees:

Chengy Chengzhong
joined as a researcher in the Immunology group

Nina Katharina Lemen
joined as a Technical Assistant and has started as a PhD student in the Immunology group

Bruno Schroth
joined as a PhD candidate in lab of Prof. Dr. Ulrich Kalb

Paul Anschütz Alam
joined as a Student Tutor in lab of Prof. Dr. Ulrich Kalb

Sefiya Mansoor
joined as a temporary position in the administration in IT, Library

We say goodbye to:

Roberta Magno
left the group of Prof. Alexander Immunologie in Cologne and Zagreb (CR)

Stefan Gerhard
left the IT

Research, Science, and Seminars

Report your academic publications to the Norwegian Scientific Index (NVI/Cristin)

Each year, universities report their academic publications to the Ministry of Education and Research via the Norwegian Scientific Index (NVI). The reporting is based on Cristin, which is part of the foundation that distribution of public funds to the following year.

It is worth a effort to ensure that all their academic articles are listed in the NVI database. This is important for the department, because **the more we report, the more we only 80 entries in Cristin**.

Cristin is a very simple and quick registration system (original, review, in book chapter ... affiliated with the University of Bergen, please log on to your Cristin account, and check if your name is linked to the UiB-ID. If not, add it. Then, add the DOI number of the article and Cristin will do the rest. Further, the EAN number (ISBN) of the book is important.

Cristin is a quick tool version of all research activities to be uploaded in Cristin. For information on the instruction and guidance on upcoming publications in Cristin, please see https://www.uib.no/en/research/research-administration/research-reporting/cristin

Please report also the more complex tasks for publications that are financed by the Research Council of Norway. Please see the instruction on how to register under project in Cristin.

Cristin log in

Deadline: 31. January 2021
(1 February is the last date for reporting to NVI)

Publications

The following list is the Pubmed search result for 'Bergen' and 'Immunology' and 'Immunology' and 'Cologne' and 'Bonn' in the last 2 months (from the date of issue).

Lung CD103+ dendritic cell interleukin-12/23 responses control and impair effector T cell anti-fungal immunity. Plasmanne F, Ka S, Ma E, Cruz-Tapias P, Li X, Ma J, Ma J, Chang C, Hoe S, Chen K, Chongsathidkiet P, Dorman A, Fairchild RL. Nature Communications. 2020 Dec 11; 11(1):6123. PMID: 33311464

Structural characterization of human class I HLA complexes with the immunodominant HCMV pp65 peptide NLVPMVATV. Gras S, Chen W, Miles JJ, McMichael AJ, McCluskey J, Rossjohn J, Gras S. J Immunol. 2010 Jan 15; 184(2):907-16. PMID: 20018627

Structural characterization of human class I HLA complexes by flow cytometry. Gras S, McCluskey J, Rossjohn J. Curr Protoc Immunol. 2011 Apr; Chapter 12: Unit 12.10. PMID: 21418736

How do Antibodies Recognize Complex Pathogens? Lessons Learned from Influenza and Human Immunodeficiency Virus. Gras S, Jackson D. Viruses. 2019 Mar 26; 11(4). PMID: 30917561

Human immune responses to influenza and Ebola virus infection. Gras S, Jackson D. Virulence. 2017 Aug 1; 8(6):1069-1085. PMID: 28059587

Structural characterization of human class I HLA complexes with immunodominant viral epitopes. Gras S, Chen W, McCluskey J, Rossjohn J. J Immunol. 2009 Jan 15; 182(2):1111-21. PMID: 19124746

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CCBIO webinar

Cancer and pre-cancer with unrelated "transformation of immune-defence" cross-kingdom stimulation Michael Boehme

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Tumors are complex ecosystems. Tumor cells co-platelet-derived growth factor from stromal cells and immune cells. Platelet-derived growth factor (PDGF) is currently profoundly at the Kaohsiung medical University.

Tumor cells co-platelet-derived growth factor at the beginning of the tumor microenvironment and stromal focus on the molecular mechanisms of tumor cells co-platelet-derived growth factor and the development of secondary cancer research at KC (2010-2015), and acted as coordinator for the European Commission's Seventh Framework Program (FP7) cancer-expansion (2009-2011). Since 2015 is a professor of the Kaohsiung Medical University.

28 January, 14.00, online

PhD updates

PhD defense: Pablo Bertran Matas

Time lecture hall: Sangalle foundation and auditorium in the entry hall with separation of academic training sangalle dauditorium, including Sangalle foundation

Time and Place: **27 January, 16:15**
https://zoom.us/j/94811346164?pwd=UzZ0MDVRTFFNZnNwZTRRQ2Y5b09Ldz09
Passcode: 3BN2Ed

Public defense Thesis title: Excitatory and inhibitory signaling in the cell biology of the immune synapse: Implications for activation and activation of secretion of cytokines and immunosuppressive molecules

Time and Place: **28 January, 16:15**
https://zoom.us/j/94811346164?pwd=UzZ0MDVRTFFNZnNwZTRRQ2Y5b09Ldz09
Passcode: 3BN2Ed

No fee is charged for the PhD defense and it has been submitted. We hope that this will change in the near future. Until then, a donation to the Cancer Aid Foundation has been set up in your name instead.

The lab will receive stamp cards during the defense, which will be used to buy food for the Institute of Medicine later. We are often prioritized, so it is worth supporting this.

Donation link: https://www.krebshilfe.de/spenden.html?mtx/1/1/1