Science during Corona

Dear Cluster members, associated scientists and friends,

in these times it is great that we can rely on such a fantastic and excellent network as the Cluster of Excellence ImmunoSensation is. If you are in the lab or working from home, we keep on providing you with the newest developments concerning immunology, education and scientific management from the Cluster Coordination Office.

You can reach us via phone or mail of course. In this edition of the Newsletter we will recap the last year, update you with issues concerning BIGS, family support and your PhD representatives.

Stay healthy and stay at home!

Yours,

Cluster Coordination Office

+++ Corona News +++ Corona News +++ Corona News +++

Due to the current situation we try to help our Cluster member with as much information and resources as we can.

We can provide you with access to online communication tools such as Zoom.

We undertake a survey about current Corona-Research and what resources are needed, so that we can help distributing them.

Get in touch with us if you need support.

+++ Corona News +++ Corona News +++ Corona News +++
It is with boundless joy and pride that the University of Bonn has received the decision of the Excellence Commission to grant the Rheinische Friedrich-Wilhelms-Universität Bonn the status of a University of Excellence. It is one of only eleven Universities of Excellence in Germany appointed in 2019 and one of two in North Rhine-Westphalia. With the six Clusters of Excellence acquired last September, the University of Bonn is the most successful university in the Germany-wide Excellence competition.

“We are a University of Excellence! Today is a milestone in the 200-year history of our university,” said the rector in an initial reaction. “Our efforts have been fruitful and the performance of our university succeeded amongst tough competition. This is a huge success and a big step towards our goal to permanently establish Bonn among the best universities in Germany and Europe.”

The Cluster of Excellence ImmunoSensation is more then proud to be part of this excellent and vital network of great researchers and great administration.

Find more information about the Status University of Excellence here.
Cluster Science Days 2019

As every year we hold our Cluster Science Days 2019 in the BMZ at the Campus Venusberg - Bonn.

Impressions from the Cluster Science Days. View more photos here.
New Cluster Members

ImmunoSensation² is growing and we welcome our new members!

Prof. Volker Busskamp
Eye Clinic
Faculty of Medicine
University of Bonn
Website

Prof. Markus Essler
Clinic for Nuclear Medicine
Faculty of Medicine
University of Bonn
Website

Dr. Dr. Susanne Lütje
Clinic for Nuclear Medicine
Faculty of Medicine
University of Bonn
Website

Prof. Jacob Nattermann
Hepatogastroenterology at the Department of Internal Medicine I
Faculty of Medicine
University of Bonn
Website

Prof. Hendrik Streeck
Institute of Virology
Faculty of Medicine
University of Bonn
Website
RECENT PUBLICATIONS

Find here a selection of our latest publications

A high-salt diet compromises antibacterial neutrophil responses through hormonal perturbation. Science Translational Medicine, 2020 March.
More information here.

Amyloid Clustering around ASC Fibrils Boosts Its Toxicity in Microglia. Cell Reports, 2020 March.
Lea L. Friker, Hannah Scheiblich, Inga V. Hochheiser, Rebecca Brinkschulte, Dietmar Riedel, Eicke Latz, Matthias Geyer and Michael T. Heneka
More information here.

Yves Werner, Elvira Mass [...] Joachim L. Schultze, Frederic Geissmann & Ralf Stumm
More information here.

Scalable prediction of acute myeloid leukemia using high-dimensional machine learning and blood transcriptomics. iScience, 2019 December.
Stefanie Warnat-Herresthal, Konstantinos Perrakis [...] Joachim L. Schultze
More information here.

Mario A. Lauterbach [...] Axel Imhof, Karsten Hiller & Eicke Latz
More information here.
RECENT PUBLICATIONS

Find here a selection of our latest publications

Christina Ising [...] Douglas T. Golenbock, David Blum, Eicke Latz, Luc Buée & Michael Heneka
More information here.

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Transcatheter edge-to-edge repair for reduction of tricuspid regurgitation: 6-month outcomes of the TRILUMINATE single-arm study. Lancet, 2019 November

© Photo Felix Heyder/Herzzentrum Bonn

More information here.

© Photo Barbara Frommann/Uni Bonn

NEWS

Highly Cited Researcher

Annually the „Highly Cited Researchers“ are being announced by the „Web of Science Group“. At the University of Bonn 12 highly cited researcher are named, among them are 6 members of the cluster of excellence ImmunoSensation. According to the makers of the ranking, the people on this list of „Highly Cited Researchers“ are among the most influential one percent of their subject. Following members of ImmunoSensation are named „Highly Cited Researcher“:

Monique M. B. Breteler
Michael T. Heneka
Eicke Latz
Mihai G. Netea
Joachim L. Schultze
Andreas Schlitzer

Congratulations!
Dear PhD students, for the BIGS Immunosciences and Infection a new Speaker was confirmed: Prof. Katrin Paeschke - Group leader DNA, RNA structures and Genome stability. Currently in her lab she uses S. cerevisiae and human cell lines to understand the biological function of G-quadruplex structures and how this is connected to genome stability. ‘As a speaker of the Graduate school I would like to support young scientist on their way to independence. With this program we aim to create a platform for PhD students to perform a high quality PhD work by creating an interactive and stimulating scientific environment.’

Here is a short introduction of your two new PhD speaker:

Nathalie is a biochemist and started her PhD in the lab of Prof. Dr. med. Brossart at the Medical Clinic III in October 2016. Her project focuses on immunotherapeutic approaches in Multiple Myeloma. Besides her passion for cancer research she is also very active in science communication.

Amir has started his PhD in 2018 in the lab of Professor Elvira Mass at Life and Medical Science Institute (LIMES). His research area is immunology and development and he is investigating the role of macrophages in hematopoiesis. He is also a member of the ImmunoSensation blog and pint of science and enjoys science related social activities.

As PhD speaker team we will get in touch with you on a regular base to improve the academic system and to support you. In the upcoming year we will additionally arrange a few get together where science is combined with social activities after work. There we can discuss our realities, concerns and opportunities.

So keep an eye for the upcoming announcements and make sure you will mark the dates in your calendar!

If you have any ideas please feel free to contact us.

We are looking forward to meeting you!

Amir and Nathalie

Speaker BIGS:
Prof. Katrin Paeschke

PhD Speaker BIGS:
Nathalie Heider-Hönatsch
Nathalie.Heider-Hoennatsch@ukbonn.de
Amir Hossein Nasiri
anasiri@uni-bonn.de
To support families, ImmunoSensation\(^2\) has established a portfolio of specific offers to female and male scientists at all career stages. Since there are still open questions, which offers we have and how you can use them, here is a short summary:

We offer:

- Funding of student assistants to assist scientists during periods of parental leave
- Two family rooms on the campus are available (LIMES and BMZ)
- A kids-box, a mobile children's room for the office.

The family room and the kids box can be booked by directly contacting us (immunosensation@uni-bonn.de or alexandra.kraemer@uni-bonn.de).

Further information to the pme familien.service you can find at www.familien.service.de.

Small Box- Large Relief

The nursery is unexpectedly closed, grandma and grandpa are travelling. Many parents knows this situation. Then the question arises: Who takes care of the child while you have to take care of urgent professional tasks yourself? One solution could be to take the child to work as an exception. The KidsBox offers practical on-site support. It turns into a ‘parent-child room’ in no time at all and is therefore an offer for better reconciling work and family life. The KidsBox is equipped for babies and children up to primary school age. Please talk to your team leader before bringing your child to work.
NEWS
Cluster Information - bundeled

The Cluster Coordination Office has created a cloud folder that contains all important information about the cluster’s offers. Here you will find information about shared resources, the cluster flyers, current templates for presentations and logos of the cluster or a “How to acknowledge ImmunoSensation”.

The Sciebo folder will be updated and expanded with further information regularly. You can access the folder [here](https://www.immunosensation.de/press_media/links_downloads.html).

The passwort was sent out already - if you lost it please get back in touch with the Cluster Coordination Office.

The link is also on our website under Press & Media -> Links Downloads (https://www.immunosensation.de/press_media/links_downloads.html)

NEWS
ImmunoSensation goes Charity

From now on there will be a box in our office (BMZ, building 13, room (01)216.3), where we collect bottle caps, which have have a certain amount of recyclable materials which can be reused. Similar to gold this resource will be recycled and the earnings will be donated to the FÖRDERKREIS BONN E.V.

For more than 35 years, the Förderkreis Bonn e.V. has been at the side of young patients of the oncology ward of the University Children’s Hospital Bonn. From overnight accommodation close to the clinic for parents, games, handicrafts, workshops or holiday periods for patients and their siblings, psycho-oncological and psychosocial counselling, palliative care to support for the paediatric oncology ward. (More information: https://www.foerderkreis-bonn.de/spendenaktionen/kronkorken-aktion/)
UPCOMING

Workshops

Please register in eTraining for the workshops. Due to the current situation we will restructure the workshops as online modules.

Hands-on Introduction to R (Core facility Bioinformatics)
When? April 22 & 29; May 07 & 27, 2020
from 10 am to 3 pm
Where? Seminar room 6 and 7, Lecture building (Lehrgebäude; building 10)

During 4 lectures of 4 hours each you take your first steps with R. You will get to know the basic data types in R. The second, third and fourth day will be used to make simple analysis in groups of two. Andreas Buness and Dr. Farhad Shakeri will give the lecture.

Basic Principles of Microscopy
When? May 07, 2020, from 9 am to 4 pm
Where? Seminar room 10, Lecture building (Lehrgebäude. building 10)
1. Introduction to the Microscopy Core Facility
2. Principles of Light Microscopy (Properties of light; Optical Elements of Microscopes; imaging with Microscopes; Confocal Microscopy; Advanced Microscopy Techniques (FLIM and FCS))
3. Quantitative Image Analysis

Image Analysis with ImageJ
When? May 19 and May 20, 2020, from 9 am to 5 pm
Where? Lecture building (Lehrgebäude, building 10)
The two-day introductory workshop teaches the basics of digital image processing and analysis for biological/biomedical studies. The goal of the workshop is that participants acquire basic knowledge and technique for measuring using image data. Further information you can find here.

Public Outreach for Scientists
When? September 11, 2020, from 9 am to 1 pm
Where? Seminar room 10, Lecture building (Lehrgebäude, Gebäude 10)
In this seminar you will learn about ways science can be presented to the public and how you - as a scientist - can promote your own scientific findings.