

PhD Program "Regenerative Sciences"

Chairman of program committee: Professor Ulrich Martin
 Vice-chairwoman: Professor Renata Stripecke

Times (in general):

Tutorials Thursday, 3.00 – 4.00 pm
 Seminars Thursday, 4.15 – 5.45 pm

25th May 2017 is Ascension Day ('Christi Himmelfahrt') which is a public holiday. Therefore, this week's teaching is changed to 23rd May 2017.

Exceptions in day and time are printed in bold.

Locations (in general)

Semester 1 & 2 MHH, building I/J 04, level 01, HBRS seminar room 1140

Semester 3 & 4 MHH, building I/J 11, Hans-Borst-Zentrum (HBZ), level S0, seminar room 6040

Exceptions in location are marked * and **.

| 1 st semester | | | | |
|---|----------|-------------------------|----------------|-----------------|
| Introductory lecture 1 Welcome address, the curriculum of REBIRTH & HBRS, Q & A | seminar | Thursday, 20.10.2016 | 2.15 – 3.45 pm | Ulrich Martin |
| Introductory lecture 2 Principles of regenerative sciences and the REBIRTH approach | Seminar | Thursday, 27.10.2016 | 2.30 – 4.00 pm | Ulrich Martin |
| Principles of developmental biology and organogenesis 1 - Commitment, differentiation, apoptosis, patterning - Morphogenetic gradients and cell-cell communication - Genetic and epigenetic mechanisms | Seminar | Thursday, 27.10.2016 | 4.15 – 5.45 pm | Andreas Kispert |
| | Tutorial | Thursday, 03.11.2016 | 3.00 – 4.00 pm | Andreas Kispert |
| Principles of developmental biology and organogenesis 2 - Model systems in developmental biology - Embryogenesis and fetal development | Seminar | Thursday, 03.11.2016 | 4.15 – 5.45 pm | Achim Gossler |
| | Tutorial | Thursday, 10.11.2016 | 3.00 – 4.00 pm | Achim Gossler |
| Principles of growth factor signalling 1 Cytokines, hormones, and their receptors | Seminar | Thursday, 10.11.2016 | 4.15 – 5.45 pm | Michael Morgan |
| | Tutorial | Thursday, 17.11.2016 | 3.00 – 4.00 pm | Michael Morgan |

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|--|----------|----------------------|----------------|---------------------------|
| Basic mechanisms of inflammation 1 - Innate and adaptive immunity and differentiation | Seminar | Thursday, 17.11.2016 | 4.15 – 5.45 pm | Siegfried Weiß |
| | Tutorial | Thursday, 24.11.2016 | 3.00 – 4.00 pm | Siegfried Weiß |
| Principles of stem cell biology 1 - Tumor stem cells and mechanisms of transformation - Principles of cell cycle regulation | Seminar | Thursday, 24.11.2016 | 4.15 – 5.45 pm | Amar Deep Sharma |
| | Tutorial | Thursday, 01.12.2016 | 3.00 – 4.00 pm | Amar Deep Sharma |
| Principles of stem cell biology 2 - Embryonic derivation of stem cells - Culture methods | Seminar | Thursday, 01.12.2016 | 4.15 – 5.45 pm | Thomas Müller |
| | Tutorial | Thursday, 08.12.2016 | 3.00 – 4.00 pm | Thomas Müller |
| Principles of growth factor signalling 2 - Paracrine and juxtacrine signalling Signalling pathways involved in the regulation of growth | Seminar | Thursday, 08.12.2016 | 4.15 – 5.45 pm | Rainer Niedenthal |
| | Tutorial | Thursday, 15.12.2016 | 3.00 – 4.00 pm | Rainer Niedenthal |
| Basic mechanisms of inflammation 2 Infection & cancer | Seminar | Thursday, 15.12.2016 | 4.15 – 5.45 pm | Ulrich Lehmann-Mühlenhoff |
| | Tutorial | Thursday, 12.01.2017 | 3.00 – 4.00 pm | Ulrich Lehmann-Mühlenhoff |
| Cellular senescence, tumor suppression and organismal aging | Seminar | Thursday, 12.01.2017 | 4.15 – 5.45 pm | Meike Hömme |
| | Tutorial | Thursday, 19.01.2017 | 3.00 – 4.00 pm | Meike Hömme |

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|---|-----------|----------------------|----------------|----------------|
| Principles of chromosomal instability | Seminar | Thursday, 19.01.2017 | 4.15 – 5.45 pm | Gudrun Göhring |
| | Tutorial | Thursday, 26.01.2017 | 3.00 – 4.00 pm | Gudrun Göhring |
| Principles of cell engineering 1 - MicroRNAs (miRNA) and downstream targets - technical approaches - Use of miRNA target identification software - Design of miRNA - Luciferase-gene reporter assays (tutorial) | Seminar | Thursday, 26.01.2017 | 4.15 – 5.45 pm | Thomas Thum |
| | Tutorial | Thursday, 02.02.2017 | 3.00 – 4.00 pm | Jan Fiedler |
| Principles of cell engineering 2 - Transient DNA delivery - Episomal maintenance - Stable DNA delivery - Homologous recombination - Site-specific DNA modification | Seminar | Thursday, 02.02.2017 | 4.15 – 5.45 pm | Axel Schambach |
| | Tutorial | Thursday, 09.02.2017 | 3.00 – 4.00 pm | Axel Schambach |
| Principles of cell engineering 3 - Cell expansion - Bioreactors | Seminar | Thursday, 09.02.2017 | 4.15 – 5.45 pm | Thomas Scheper |
| | tutorial* | Thursday, 16.02.2017 | 3.00 – 4.00 pm | Thomas Scheper |
| Synthetic biology and options for regeneration | Seminar | Thursday, 16.02.2017 | 4.30 – 6.00 pm | Dagmar Wirth |
| | Tutorial | Thursday, 23.02.2017 | 3.00 – 4.00 pm | Dagmar Wirth |

Please note the following changes:

* The tutorial (Thomas Scheper) on Thursday, 11th February 2017 will NOT take place at MHH but at the Institute of Technical Chemistry
Leibniz Universität Hannover (LUH)
Callinstr. 3
30167 Hannover
Callinstr. 3 (LUH) can easily be reached by tram no. 4 directly from MHH to stop Schneiderberg/Wilhelm-Busch-Museum (20 minutes tram)

PhD Program "Regenerative Sciences"

| 2 nd semester | | | | |
|---|------------|-------------------------|----------------|-----------------------|
| Principles of growth factor engineering Engineering growth factors and their receptors for regenerative medicine | seminar* | Thursday, 06.04.2017 | 3.00 – 4.30 pm | Michael Morgan |
| | tutorial* | Thursday, 06.04.2017 | 4.45 – 5.45 pm | Michael Morgan |
| Principles of materials sciences for regenerative medicine 1 Introduction to biomaterials - Ceramic materials (seminar) - Chemistry (tutorial) | seminar* | Thursday, 13.04.2017 | 3.00 – 4.30 pm | Peter Behrens |
| | tutorial* | Thursday, 13.04.2017 | 4.45 – 5.45 pm | Peter Behrens |
| Principles of materials sciences for regenerative medicine 2 - Nanoparticles (NPs) in medicine (seminar) - Nano-manufacturing & nanoanalytics using lasers (tutorial) | seminar* | Thursday, 20.04.2017 | 3.00 – 4.30 pm | Laszlo Sajti |
| | tutorial** | Thursday, 20.04.2017 | 4.45 – 5.45 pm | Laszlo Sajti |
| Principles of materials sciences for regenerative medicine 3 - Polymeric and metallic materials (seminar) - Cell-biomaterial interactions (seminar) - Cell technologies (tutorial) | seminar* | Thursday, 27.04.2017 | 3.00 – 4.30 pm | Birgit Glasmacher |
| | tutorial* | Thursday, 27.04.2017 | 4.45 – 5.45 pm | Birgit Glasmacher |
| Laser technology in medicine 1 Imaging - Basics of microscopy - Contrast mechanisms - Modern approaches in imaging - Superresolution microscopy | seminar* | Thursday, 04.05.2017 | 3.00 – 4.30 pm | Alexander Heisterkamp |
| | tutorial* | Thursday, 04.05.2017 | 4.45 – 5.45 pm | Alexander Heisterkamp |
| Laser technology in medicine 2 Laser manipulation/machining - Surface treatment, structuring, polymerization - Laser-tissue interaction - Laser manipulation of cells | seminar* | Thursday, 11.05.2017 | 3.00 – 4.30 pm | Boris Chichkov |
| | tutorial** | Thursday, 11.05.2017 | 4.45 – 5.45 pm | Boris Chichkov |
| Cardiovascular tissue engineering: Principles | Seminar | Thursday, 18.05.2017 | 4.15 – 5.45 pm | Andres Hilfiker |
| | Tutorial | Tuesday, 23.05.2017 | 3.00 – 4.00 pm | Andres Hilfiker |
| Tissue processing and preservation | Seminar | Tuesday, 23.05.2017 | 4.15 – 5.45 pm | Willem Wolkers |
| | Tutorial | Thursday, 01.06.2017 | 3.00 – 4.00 pm | Willem Wolkers |

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| Animal models of human disease 1 - Murine models of human disease | Seminar | Thursday, 01.06.2017 | 4.15 – 5.45 pm | Achim Gossler |
| | Tutorial | Thursday, 08.06.2017 | 3.00 – 4.00 pm | Achim Gossler |
| Animal models of human disease 2 - Primate models - Humanized mouse models | Seminar | Thursday, 08.06.2017 | 4.15 – 5.45 pm | Thomas Moritz |
| | Tutorial | Thursday, 15.06.2017 | 3.00 – 4.00 pm | Nico Lachmann |
| Principles of organ transplantation 1 - Heart, lung, and vessels | Seminar | Thursday, 15.06.2017 | 4.15 – 5.45 pm | Axel Haverich <i>et al.</i> |
| | Tutorial | Thursday, 22.06.2017 | 3.00 – 4.00 pm | Axel Haverich <i>et al.</i> |
| Principles of organ transplantation 2 - Liver, pancreas, and β -cells | Seminar | Thursday, 22.06.2017 | 4.15 – 5.45 pm | Michael Ott |
| | Tutorial | Thursday, 29.06.2017 | 3.00 – 4.00 pm | Michael Ott |
| Stem cell based organ regeneration - Heart and β -cells - clinical translation | Seminar | Thursday, 29.06.2017 | 4.15 – 5.45 pm | Robert Zweigerdt |
| | Tutorial | Thursday, 06.07.2017 | 3.00 – 4.00 pm | Robert Zweigerdt |
| Animal models of human disease 3 - Transgenic pigs - Xenotransplantation - Donor animal engineering | Seminar | Thursday, 06.07.2017 | 4.15 – 5.45 pm | Heiner Niemann |
| | Tutorial | Thursday, 13.07.2017 | 3.00 – 4.00 pm | Heiner Niemann |

Please note the following changes

* The seminars on 6th, 13th, 20th, 27th April 2017 and 4th, 11th May 2017 will be immediately followed by the associated tutorial. The seminars and tutorials on 13th, 20th, 27th April and 4th and 11th May 2017 will NOT take place at MHH, please find the respective addresses below.

** Teaching taking place at the Laser Centre requires registration one week in advance, i.e.

Register until April 13th for the seminar on April 20th (Laszlo Sajti)

Register until May 4th for the seminar on May 11th (Boris Chichkov)

Please register with phd-regsci@mh-hannover.de, you may of course register for both seminars at the same time.

Additional information on „Principles of materials sciences for regenerative medicine”, part 1, 2 and 3

General topics:

- materials engineering, biomaterials in medicine,
- *ex vivo* and *in vivo* application,
- degradable materials,
- cell-biomaterial interactions

Literature: Biomaterials Science (Third Edition), BD Ratner, AS Hoffman, FJ Schoen, JE Lemons (eds.) Elsevier Amsterdam 2013; available online, MHH library

Lecturers and locations of lectures and tutorials:

13.04.2017 Prof. Dr. Peter Behrens

Leibniz Universität Hannover (LUH)

Institute for Inorganic Chemistry

Callinstrasse 9, 30167 Hannover

Tel.: +49 (0) 511 762 3660

Secr.: +49 (0) 511 762 3697; Fax: +49 (0) 511 762 3006

Email: Peter.Behrens@acb.uni-hannover.de

Callinstrasse 9 (LUH) can easily be reached by tram no. 4 directly from MHH to stop Schneiderberg/Wilhelm-Busch-Museum (20 minutes tram)

20.04.2017 PD Dr. Laszlo Sajti

Laser Zentrum Hannover e.V.

Department: Nanotechnology

Hollerithallee 8, 30419 Hannover

Tel. +49 (0) 511 2788 149; Fax: +49 (0) 511 2788 100

Email: l.sajti@lzh.de

LZH can easily be reached by tram no. 4 directly from MHH to stop Marienwerder/Wissenschaftspark (35 minutes tram)

27.04.2017 Prof. Dr. Birgit Glasmacher

Leibniz Universität Hannover

Institute for Multiphase Processes & Centre for Biomedical Engineering (zbn)

Callinstraße 36, 30167 Hannover

Secr.: Tel. +49 (0) 511 762 3828 ; Fax: +49 (0) 511 762 3031

Email: glasmacher@imp.uni-hannover.de

04.05.2017 Prof. Dr. Alexander Heisterkamp

Leibniz Universität Hannover (LUH)

Institut für Quantenoptik

Welfengarten 1, 30167 Hannover

Tel. +49 (0) 0511 762 2231; Fax: +49 (0) 0511 762 2211

LUH can easily be reached by tram no. 4 directly from MHH to stop Leibniz Universität (20 minutes tram), Main Building, Building 1101, Room F 442

11.05.2017 Prof. Dr. Boris Chichkov

Laser Zentrum Hannover e.V.

Department: Nanotechnology

Hollerithallee 8, 30419 Hannover

Tel. +49 (0) 511 2788 316; Fax: +49 (0) 511 2788 100

Email: b.chichkov@lzh.de

LZH can easily be reached by tram no. 4 directly from MHH to stop Marienwerder/Wissenschaftspark (35 minutes tram)

Callinstrasse 36 (LUH) can easily be reached by tram no. 4 directly from MHH to stop Schneiderberg/Wilhelm-Busch-Museum (20 minutes tram)

PhD Program "Regenerative Sciences"

| 3rd semester | | | | |
|---|----------|----------------------|----------------|-----------------------|
| Regenerative approaches: Blood and immunity 1 - Thymus and T-cell development - B-cell development - Flow cytometry | Seminar | Thursday, 06.10.2016 | 4.15 – 5.45 pm | Siegfried Weiß |
| | Tutorial | Thursday, 13.10.2016 | 3.00 – 4.00 pm | Siegfried Weiß |
| Regenerative approaches: Blood and immunity 2 - Embryonic stem cell derived hematopoiesis | Seminar | Thursday, 13.10.2016 | 4.15 – 5.45 pm | Bernhard Schiedlmeier |
| | Tutorial | Thursday, 27.10.2016 | 3.00 – 4.00 pm | Bernhard Schiedlmeier |
| Regenerative approaches: Blood and immunity 3 - Principles of hematopoietic stem cell transplantation and lymphocyte infusions - HLA system and HLA compatibility (tutorial) | Seminar | Thursday, 27.10.2016 | 4.15 – 5.45 pm | Matthias Eder |
| | Tutorial | Tuesday, 01.11.2016 | 3.00 – 4.00 pm | Constanca Figueiredo |
| Regenerative approaches: Blood and immunity 4 - Genetic disorders of hematopoiesis - Leukemia and leukemogenic stem cells | Seminar | Tuesday, 01.11.2016 | 4.15 – 5.45 pm | Axel Schambach |
| | Tutorial | Thursday, 10.11.2016 | 3.00 – 4.00 pm | Axel Schambach |
| Regenerative approaches: Blood and immunity 5 - Antigen presenting cells | Seminar | Thursday, 10.11.2016 | 4.15 – 5.45 pm | Renata Stripecke |
| | Tutorial | Thursday, 17.11.2016 | 3.00 – 4.00 pm | Renata Stripecke |
| Regenerative approaches: Liver 1 - Physiology and pathophysiological changes of the liver - Liver cell therapy, basics in translation | Seminar | Thursday, 17.11.2016 | 4.15 – 5.45 pm | Tobias Cantz |
| | Tutorial | Thursday, 24.11.2016 | 3.00 – 4.00 pm | Tobias Cantz |
| Regenerative approaches: Liver 2 - Liver regeneration and stem cells - Stem cell-derived hepatocytes | Seminar | Thursday, 24.11.2016 | 4.15 – 5.45 pm | Tobias Cantz |
| | Tutorial | Thursday, 01.12.2016 | 3.00 – 4.00 pm | Michael Ott |
| Regenerative approaches: Liver 3 - Liver tissue engineering - Artificial liver / extracorporeal devices | Seminar | Thursday, 01.12.2016 | 4.15 – 5.45 pm | Michael Ott |
| | Tutorial | Thursday, 08.12.2016 | 3.00 – 4.00 pm | Michael Ott |
| Genotoxicity and monitoring | Seminar | Thursday, 08.12.2016 | 4.15 – 5.45 pm | Michael Rothe |
| | Tutorial | Thursday, 15.12.2016 | 3.00 – 4.00 pm | Michael Rothe |

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| Regenerative Approaches: Pancreas 1 - Biochemistry/pathobiochemistry of pancreatic β -cells | Seminar | Thursday, 15.12.2016 | 4.15 – 5.45 pm | Ortwin Naujok |
| | Tutorial | Thursday, 12.01.2017 | 3.00 – 4.00 pm | Ortwin Naujok |
| Regenerative approaches: Pancreas 2 - Differentiation of ES cells into insulin-producing cells | Seminar | Thursday, 12.01.2017 | 4.15 – 5.45 pm | Ortwin Naujok |
| | Tutorial | Thursday, 19.01.2017 | 3.00 – 4.00 pm | Ortwin Naujok |
| Immunotoxicity and immunomonitoring | Seminar | Thursday, 19.01.2017 | 4.15 – 5.45 pm | Christine Falk |
| | Tutorial | Thursday, 26.01.2017 | 3.00 – 4.00 pm | Christine Falk |
| Animal experiments - Introduction to animal experiments - Presentation of the animal house | seminar* | Thursday, 02.02.2017 | 3.00 – 4.30 pm | André Bleich |
| | tutorial* | Thursday, 02.02.2017 | 4.45 – 5.45 pm | André Bleich |
| Measuring through the microscope Quantitative structural assessment of organs, tissues and cells - Basic principles of design-based stereology (seminar) - Applications of stereology to the lung (tutorial) | Seminar | Thursday, 09.02.2017 | 4.15 – 5.45 pm | Matthias Ochs |
| | Tutorial | Thursday, 16.02.2017 | 3.00 – 4.00 pm | Matthias Ochs |
| Cell sorting - Method based seminar - Visit to MHH sorter lab – instrumentation (tutorial) | Seminar | Thursday, 16.02.2017 | 4.15 – 5.45 pm | Matthias Ballmaier |
| | Tutorial | Thursday, 23.02.2017 | 3.00 – 4.00 pm | Matthias Ballmaier |
| MicroRNAs in cardiovascular diseases - Regeneration and therapeutic approaches | Seminar | Thursday, 23.02.2017 | 4.15 – 5.45 pm | Thomas Thum |
| | Tutorial | Thursday, 02.03.2017 | 3.00 – 4.00 pm | Thomas Thum / Sandor Batkai |

Please note the following change

* The seminar on 2nd February 2017 will be immediately followed by the associated tutorial.

PhD Program "Regenerative Sciences"

| 4 th semester | | | | |
|--|-----------|----------------------|----------------|---------------------|
| Regenerative approaches: Heart and vessels 1 Angiogenesis und arteriogenesis in development and disease | seminar* | Thursday, 06.04.2017 | 3.00 – 4.30 pm | Florian Limbourg |
| | tutorial* | Thursday, 06.04.2017 | 4.45 – 5.45 pm | Florian Limbourg |
| Regenerative approaches: Heart and vessels 2 Cell therapy for myocardial infarction: basic concepts and clinical applications | seminar | Thursday, 13.04.2017 | 4.15 – 5.45 pm | Kai Wollert |
| | tutorial | Tuesday, 18.04.2017 | 3.00 – 4.00 pm | Kai Wollert |
| Molecular biology of heart failure (seminar) Physiological measurements at mouse heart (tutorial) | seminar | Tuesday, 18.04.2017 | 4.15 – 5.45 pm | Jörg Heineke |
| | tutorial | Thursday, 27.04.2017 | 3.00 – 4.00 pm | Jörg Heineke |
| Regenerative approaches: Heart and vessels 3 Cardiac differentiation of pluripotent stem cells & myocardial TE | seminar | Thursday, 27.04.2017 | 4.15 – 5.45 pm | Ina Gruh |
| | tutorial | Thursday, 04.05.2017 | 3.00 – 4.00 pm | Ina Gruh |
| Regenerative approaches: Lung 1 | seminar | Thursday, 04.05.2017 | 4.15 – 5.45 pm | Ruth Olmer |
| | tutorial | Thursday, 11.05.2017 | 3.00 – 4.00 pm | Ruth Olmer |
| Regenerative approaches: Lung 2 | seminar | Thursday, 11.05.2017 | 4.15 – 5.45 pm | Ruth Olmer |
| | tutorial | Thursday, 18.05.2017 | 3.00 – 4.00 pm | Ruth Olmer |
| Regenerative Approaches: Skin** | seminar | Tuesday, 16.05.2017 | 4.15 – 5.45 pm | Anne Limbourg |
| | tutorial | Tuesday, 30.05.2017 | 3.00 – 4.00 pm | Anne Limbourg |
| Regenerative approaches: Cartilage, bone and tendon - mesenchymal stem cells, mesenchymal tissues - signaling pathways - autologous/ allogenic/ xenogenic/ prosthesis/ tissue engineering - animal models - translation: from basic research to clinical therapies - treatment options for bone fractures, osteoarthritis (articular cartilage damage), tendon ruptures | seminar | Thursday, 18.05.2017 | 4.15 – 5.45 pm | Michael Jagodzinski |
| | tutorial | Tuesday, 23.05.2017 | 3.00 – 4.00 pm | Michael Jagodzinski |

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| Regenerative Approaches: Nerve -Degeneration and regeneration in the central and peripheral nervous system -Animal models of acute and chronic neurotoxicity -Cell therapy in the nervous system: neuronal and non- neuronal cells -Application modes -Clinical trials | seminar | Tuesday, 23.05.2017 | 4.15 – 5.45 pm | Susanne Petri |
| | tutorial | Thursday, 01.06.2017 | 3.00 – 4.00 pm | Susanne Petri |
| Patent Protection of academic inventions | seminar | Thursday, 01.06.2017 | 4.15 – 5.45 pm | Ralf Cordes / Torben Söker Ascension GmbH |
| | tutorial | Thursday, 08.06.2017 | 3.00 – 4.00 pm | Ralf Cordes / Torben Söker Ascension GmbH |
| Design of clinical trials & regulation | seminar | Thursday, 08.06.2017 | 4.15 – 5.45 pm | Heiko von der Leyen HCTC |
| | tutorial | Thursday, 15.06.2017 | 3.00 – 4.00 pm | Heiko von der Leyen HCTC |
| Cell culture for production, testing, and tissue engineering | seminar | Thursday, 15.06.2017 | 4.15 – 5.45 pm | Cornelia Blume |
| | tutorial | Thursday, 22.06.2017 | 3.00 – 4.00 pm | Cornelia Blume / Antonia Lavrentieva |
| Quality Management – QM | seminar | Thursday, 22.06.2017 | 4.15 – 5.45 pm | Marc Barthold / Christoph Priesner |
| | tutorial | Thursday, 29.06.2017 | 3.00 – 4.00 pm | Marc Barthold / Christoph Priesner |
| Good Manufacturing Practice (GMP), Advanced Therapy Medicinal Products (ATMP) | seminar | Thursday, 29.06.2017 | 4.15 – 5.45 pm | Ulrike Köhl / Stephan Klöss |
| | tutorial | Thursday, 06.07.2017 | 3.00 – 4.00 pm | Ulrike Köhl / Stephan Klöss |

* The seminar on 6th April will be immediately followed by the associated tutorial.

** The seminar “Regenerative Approaches: Skin” is an additional seminar and tutorial. In the respective week teaching will take place on Tuesday AND Thursday.

Additional offers:

| Meet The Investigator | Name | Department | Location | Date | Time |
|---|-----------------------|--|---|------------------|---------------------------------|
| | Thum, Thomas | Institute of Molecular and Translational Therapeutic Strategies (IMTTS), MHH | I03-03-3070 | 08.02.2017 | 2.00 – 3.00 pm |
| Meet The Expert | | | | | |
| From bedside to the lab-side: friends and foes of industrial high throughput qPCR molecular diagnostics | Müller, Thomas | Teamleiter Molekularbiologie synlab Medizinisches Versorgungszentrum Weiden GmbH | HBZ Seminarraum, I11-S0-6040 | 09.12.2016 | 1.00 – 2.30 pm |
| Method Based Seminar | | | | | |
| Bioinformatical tools and databases in medical research | Xiao, Ke | Institute of Molecular and Translational Therapeutic Strategies (IMTTS), MHH | HBZ Seminarraum, I11-S0-6040 | 24.01.2017 | 3.00 – 4.00 pm |
| RNA and DNA-basic methods | Jörg Heineke | Experimental Cardiology, MHH | tbd | tbd | tbd |
| Scientific working with Endnote and Reference Manager | Ortwin Naujok | Institute of Clinical Biochemistry, MHH | I03-04-Block3-3040 | 21.10.2016 | 10.00 – 12.00 am |
| Real-time PCR & Analysis* | Ortwin Naujok | Institute of Clinical Biochemistry, MHH | I03-04-Block3-3040 | 28.10.2016 | 10.00 – 12.00 am |
| Theory and practical in Flow Cytometry | Seema Dangwal | Institute of Molecular and Translational Therapeutic Strategies (IMTTS), MHH | tbd | 23.02.2017 | 2.30-4.00 pm |
| Basics of pathology in laboratory rodents: Seminar and Tutorial | Susanne Rittinghausen | Fraunhofer ITEM | Microscopy Room (ITEM) | 08.11.2016 | 10.15-11.45 am & 1.15 – 2.45 pm |
| Lung surfactant biology and methods in lung surfactant research | Elena Lopez-Rodriguez | Institute of Functional and Applied Anatomy, MHH | HBZ Seminarraum, I11-S0-6040 | 27.02.2017 | 2.00-3.30 pm |
| Laser based methods for imaging and manipulation of cells and tissue | Stefan Kalies | Institute for Quantum Optics, LUH | NIFE - Lower Saxony Centre for Biomedical Engineering, Implant Research and Development | May / June, 2017 | tbd |
| Telomeres: from measurement to manipulation | Christian Bär | Institute of Molecular and Translational Therapeutic Strategies (IMTTS), MHH | tbd | tbd | tbd |

Date and time for all semesters on appointment (registration required).