

3rd JOINT MEETING

of the German Society for Microcirculation and Vascular Biology (GfMVB) and the Swiss Society for Microcirculation and Vascular Research (SSMVR)

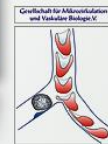
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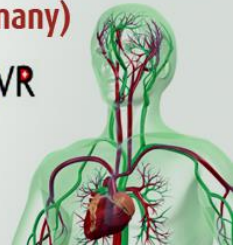


30 September–02 October 2014

Münster (Germany)



SSMVR



Workshops “Advanced Live Cell Imaging”

(separate registration required)

Monday, September 29th, 2014

- | | |
|---------------|---|
| 11:30 - 12:30 | Registration |
| 12:30 - 12:45 | Welcome to workshops and introduction of workshop leaders |
| 12:45 - 13:30 | Protein dynamics in endothelium
Referees: Abdallah Abu Taha; Jochen Seebach
Institute of Anatomy and Vascular Biology, WWU Münster |
| 13:30 - 14:15 | Fluorescent live cell imaging in zebrafish
Referees: Arndt Siekmann, Wade Sudgen, Sana Hasan
Max Planck Institute for Molecular Biomedicine, Muenster
Laboratory for Cardiovascular Patterning |
| 14:15 - 14:30 | Coffee Break |
| 14:30 - 15:15 | Basic principles of intravital microscopy in the mouse cremaster muscle
Referees: Anika Stadtmann, Konrad Buscher, Britta Engelhardt, Rupert Hallmann
Institute for Physiological Chemistry, WWU Muenster
Clinics for Anaesthesiology, UKM Muenster |
| 15:15 - 16:00 | Live cell imaging and mechanics with atomic force microscopy
Referees: Johannes Fels, Ivan Liashkovich
Institute of Physiology II, WWU Münster |
| 16:00 - 16:30 | General introduction into quantitative analyses of fluorescent images
Jürgen Klingauf
Institute of Medical Physics and Biophysics, WWU Münster |
| 16:30 - ... | Move to the machines: Practical introduction and sample preparations according to the specific practical workshops schedules |

Tuesday, September 30th, 2014

Practical work, demonstrations and analyses

End at about 12:00 p.m. (+/- 1 hour)

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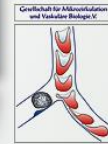
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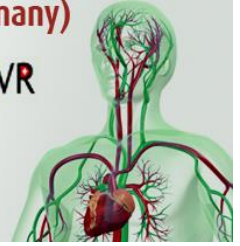


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Scientific Program

Tuesday, September 30th, 2014

12:00 - 14:00	Registration
14:00 - 14:15	Welcome and Opening Hans Schnittler (Muenster), Britta Engelhardt (Bern) Heinz Wiendl (Vice Dean for Research and Young Scientists, Medical Faculty WWU Muenster)
14:15 - 15:00	Opening Lecture Ulrich H. von Andrian, Boston, US
15:00 - 16:00	Vascular Differentiation
15:00 - 15:30	Didier Stanier, Bad Nauheim, D <i>Vasculogenesis and angiogenesis in zebrafish</i>
15:30 - 16:00	Markus Affolter, Basel, CH <i>Novel cell behavior during vascular pruning in the zebrafish embryo</i>
16:00 - 16:15	Selected Abstract
16:15 - 17:15	Guided Poster Tour and Coffee Break
17:15 - 18:50	Mechanotransduction
17:15 - 17:45	John Shyy, Riverside, US
17:45 - 18:15	Julien Vermot, Strasbourg, FR <i>Investigating the impact of flow forces during microcirculatory network development</i>
18:15 - 18:30	Selected Abstract
18:30 - 18:45	Selected Abstract
19:00 - ...	Get Together Max Planck Institute for Molecular Biomedicine

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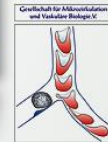
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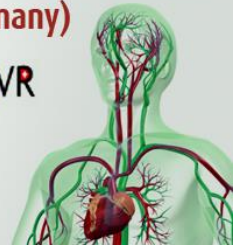


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Wednesday, Oktober 1st, 2014

- 08:30 - 10:30 **Dynamics of vascular functions I**
Barrier function of the endothelium
- 08:30 - 09:00 Hans Vink, Maastricht, NL
- 09:00 - 09:30 Geerten van Nieuw Amerongen, Amsterdam, NL
Endothelial junctions tensioned by Rho GTPases
- 09:30 - 10:00 Sari Tojkander, Helsinki, FI
Mechanosensitive assembly of the contractile actomyosin bundles
- 10:00 - 10:15 Selected Abstract
- 10:15 - 10:30 Selected Abstract
- 10:30 - 11:00 **Coffee Break**
- 11:00 - 12:30 **Vascular dynamics II**
Vasodynamics and signalling
- 11:00 - 11:30 Stefan Offermanns, Bad Nauheim, D
Endothelial GPCR signalling in vascular homeostasis and tumour cell metastasis
- 11:30 - 12:00 Masuko Ushio-Fukai, Chicago, US
Stress-induced and oxidation-mediated PTPase activity in the vessel wall
- 12:00 - 12:15 Selected Abstract
- 12:15 - 12:30 Selected Abstract
- 12:30 - 14:00 **Lunch**
- 14:00 - 15:00 **Guided Poster Presentation**
- 15:00 - 17:15 **Vascular dynamics III**
Wound healing and Angiogenesis
- 15:00 - 15:30 Jaap van Buul, Amsterdam, NL
Dynamic interactions between leukocytes and the endothelium: the diapedesis synapse

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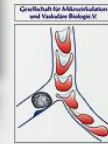
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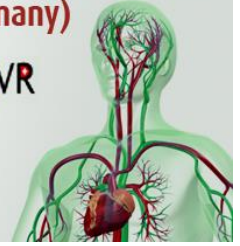
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- 15:30 - 16:00 Beat Imhof, Genf, CH
New matricellular molecules involved in angiogenesis and vascular function
- 16:00 - 17:15 **Guided Poster Session and Coffee Break**
- 17:15 - 19:00 **Infections and defence mechanism in the vasculature**
- 17:15 - 17:45 Julie Bubeck-Wardenburg, Chicago, US
Sepsis mortality: synergistic action of Staphylococcus aureus alpha-toxin in the vasculature
- 17:45 - 18:15 Anon Srikiatkachorn, Bangkok, TH
Virus-Host Interaction in Dengue Pathogenesis
- 18:15 - 18:30 Selected Abstract
- 18:30 - 18:45 Selected Abstract
- 19:15 - 19:45 **Member Assembly GfMVB**
- 20:00 - 22:30 **Social Evening for all participants (free; registration required)**

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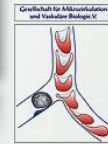
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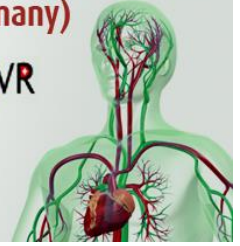
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Thursday, 2nd, 2014

09:00 - 10:00	Tumor metastasis through the vessel wall
09:00 - 09:30	Gerhard M. Christofori, Basel, CH <i>Mechanisms of resistance to anti-angiogenic therapy</i>
09:30 - 09:45	Selected Abstract
09:45 - 10:00	Selected Abstract
10:00 - 10:15	Coffee Break
10:15 - 11:30	Young Investigator Talks
10:15 - 10:30	Selected Abstract
10:30 - 10:45	Selected Abstract
10:45 - 11:00	Selected Abstract
11:00 - 11:15	Selected Abstract
11:15 - 11:30	Selected Abstract
11:30 - 12:00	Herrmann Rein Preis*
12:00 - 12:30	Poster Awards Young investigator Award*

* founded by Servier Deutschland GmbH