

# 7<sup>th</sup> Munich Medical Student Science Conference 2023



## ScienceCon:

# „Share your passion!“

Keynote Talk by  
Prof. Dr. Susanna Hofmann

June 17, 2023, 9:00 am-5:00 pm

Small lecture hall at the BMC

[www.mms-sciencecon.med.uni-muenchen.de](http://www.mms-sciencecon.med.uni-muenchen.de)



# Program

<i>Time</i>	<i>Description</i>
<b>9:00</b>	<b>Participant Registration at the reception desk</b>
<b>9:20</b>	<b>Welcome</b> <i>Jihee Kim and Romana Ruiss (conference coordinators)</i>
<b>9:30</b>	<b>International session</b> <b>1) The Impact of COVID-19 Pandemic Lockdown Measures on Early Life Gut Microbiome</b> <i>Henry Y.H. Meng, The Chinese University of Hong Kong</i> <b>2) Patho-epidemiological association of male sex, prostate cancer and lethality from SARS-CoV-2</b> <i>Alice Dalsass, University of Bologna, Italy</i> <b>3) Title tbd</b> <i>Spekaer tbd, Korea University, South Korea</i> <b>4) With great computing power comes great responsibility. Should AI predict patient behaviour?</b> <i>Max Drezga-Kleiminger, Monash University, Australia</i>
<b>10:30</b>	<b>Session for doctoral students</b> <b>5) Serotonin acts pre- and postsynaptically to differentially modulate glutamatergic and GABAergic synaptic transmission in the anterior cingulate cortex</b> <i>Sadat Kodzic</i> <b>6) Psychological stress exacerbates colorectal cancer progression through adrenergic signaling</b> <i>Jihee Kim</i> <b>7) Boosting the growth of natural bypasses (arteriogenesis) by modulating the NO-signalling-pathway</b> <i>Katharina Elbs</i> <b>8) The role of PKC subtype-specific signaling in the regulation of keratinocyte adhesion in pemphigus</b> <i>Julia Haneberg</i>

**11:30 Lunch Break**

**12:15 Session 1 for early years researchers**

**9) Secretagoin interactors effecting insulin secretion and circulation**

*Liv Kanja*

**10) Comparative Analysis of Lipid Nanoparticle Formulations for siRNA and mRNA Delivery: Investigating Efficiency and Composition Variability**

*Elody Man*

**11) The role of cAMP-signalling for the intestinal adhesion**

*Da Eun Kang*

**12) Mechanisms of Autoimmune Infiltration and Inflammation in Experimental Autoimmune Encephalitis: Implications for Understanding Multiple Sclerosis Pathogenesis**

*Julia Schäfer*

**13) Platelets increase proliferation rates of dormant breast cancer cells**

*Sidney Nova*

**13:30 Poster Session**

**14:15 Coffee Break**

**14:45 Session 2 for early years researchers**

**14) Early Diagnosis of Depression through a predictive Machine Learning Model**

*Nikos Diederichs*

**15) Insights on the Current State and Future Outlook of Artificial Intelligence in Healthcare From Expert Interview**

*Pia Hummelsberger*

**16) Reduced headache intensity and muscular hypersensitivity in children and adolescents with post-traumatic headache after treatment with repetitive neuromuscular magnetic stimulation**

*Paulina Kolorz*

**17) Role of neuronal histone proteoforms in Rett Syndrome**

*Annkathrin Nigl*

**18) Kv-channels in horizontal saccadic burst-neurons in monkey**

*Benedikt Fleckenstein*

**16:00** | **Keynote talk**

*Prof. Susanna Hofmann*

**16:45 -  
17:00**

**Best Talk and Poster Awards and Closing Ceremony**

*Prof. Dr. Michael Meyer (dean)*