





1st Jena-Leibniz PhD Symposium

11th September 2026 – Abbe Center for Photonics

Programme

Schedule	Activities
09:00	Welcome and Introduction
09:15	FLI Keynote - Dr. Christian Gallrein (<i>TBA</i>)
09:45	FLI PhD Flash Talks
10:15	Coffee Break
10:35	HKI Keynote - Dr. Thomas Orasch (<i>Nanoparticle-mediated Drug Delivery</i>) - Dr. Wolfgang Vivas (<i>Metabolic Adaptations to Severe Bacterial Infections</i>)
11:05	HKI PhD Flash Talks
11:35	Coffee Break
11:50	IPHT Keynote - Jawad Kamran (<i>Photonics Data Life Cycle</i>)
12:20	IPHT PhD Flash Talks
12:50	Lunch and Poster setup
14:30	Poster Session I
15:30	Poster Session II



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Flash Talks

Session	Speaker	Title
FLI PhD Flash Talk	Anastasiia Shcherbakova	Gut-Brain Axis: The Role of Chemical Signaling in Modulating Neuronal Function
	Anjalika Malik	Vitamin A free diet rescues age-related decline of fat metabolism in mouse liver
	Georg Bossenz	Characterizing Caj1 - a chaperone involved in mitochondrial protein homeostasis
	Sanjana Junnarkar	Studying myosin lifespan and its modulators in <i>C. elegans</i>
	Tina Lehmann	Unraveling the Functional Role of SP5 in Senescence
	Tushar Patel	Why do we age – An Epigenetic Perspective
HKI PhD Flash Talk	Jana Wilms	Virtual phagocytosis assays: From images to unique parameters of macrophage–fungal pathogen interaction
	Leo Dumjahn	Dual-use virulence factors of an opportunistic pathogen mediate haemolysis and colonisation
	Liubov Nikitashina	Colonization dynamics of the lung microbiome and it's dysbalance during infection by <i>Aspergillus fumigatus</i>
	Marten Meckelburg	Good vs Evil: Harnessing Probiotic Bacteria to Combat Pathogens
	Melanie Händel	Macromolecular prodrug delivery systems for targeting intracellular pathogens
	Simone Piccioni	How <i>Aspergillus fumigatus</i> clearance is shaped by alveolar sac morphology



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Session	Speaker	Title
IPHT PhD Flash Talk	Francesco Bello	Holographic Endoscopy : minimally invasive deep brain imaging
	Francisco Paez Larios	Probing the physics of cells beyond the diffraction limit
	Glitta Cheeran	Towards Smart Microscopy
	Hossein Zarei Oshtolagh	Microscopy and Image Processing
	Marie-Luise Enghardt	Raman Spectroscopy
	Stella Greiner	Molecular Imaging



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Poster session 1	Nr.	Poster session 2	Nr.
Ruchitha Gangaiah Byrohalli	1	Rafaela Andrade	1
Leo Dumjahn	2	Georg Bossenz	2
Maryam Ali	3	Giorgia Bimbi	3
Cagla Dönmez	4	Georgia Daraki	4
Victoria Groß	5	Abdinasir Abdilahi	5
Richard Grohs	6	Isabel Heineking	6
Vanessa Gumz	7	Junjie Guan	7
Melanie Händel	8	Shangjun Cheng	8
Jawad Kamran	9	Dhruv Khatri	9
Celina Junker	10	Drishti Jain	10
Maximilian Knott	11	Carolyn Hoyer	11
Tina Lehmann	12	Liubov Nikitashina	12
Simone Piccioni	13	Sanjana Junnarkar	13
Jana Spoerer	14	Marlen Schnauß-Müller	14
Anastasiia Shcherbakova	15	Charlotte Ohl	15
Philipp Städter	16	Dennis Köhler	16
Shreya Tripathi	17	Marius Wank	17
Jana Wilms	18	Juliet Steinecke	18
Anjalika Malik	19	Sobhi Saeed	19
Oskar Zorc	20	Setenay Gupse Özcan	20