Talks // Meeting Organizations // Awards in 2025:
Please, fill in your talk/meeting organization and order it by the date, thank you!

Vorname	Name	Titel des Vortrages Name des organisierten Meetings	Anlass (Tagung etc.)	Ort	Datum
2025					
Dhruv Khatri	Khatri	Bioimage Analysis with JIPipe	JSMC, ECRE	Jena	19.09.2025
Marc Thilo	Figge	Image data analysis and agent-based modeling of the spatio-temporal interaction between immune cells and human-pathogenic fungi	FungiNet	Würzburg	18.03.2025
Karoline	Schied	Agent-based modeling of Organ-on-Chip experiments (Poster)	FungiNet	Würzburg	31.03.2025
Simone	Piccioni	(Poster)	FungiNet	Würzburg	31.03.2025
Sarkar	Arjun	Detection of Microbial Growth and Antibiotic Resistance Using Scattered Light Imaging and Convolutional Neural Networks	JSMC	Jena	23.05.2025

Marc Thilo	Figge	Applied Systems Biology	FSR Bioinformatics	Jena	24.06.2024
Marc Thilo	Figge	Image-based Systems Biology of Fungal Infections	DMykG Seminar “Mykosen am Mittwoch”	Online	25.06.2024
Carl-Magnus	Svensson	Hypothesis Testing in Practice	RTG MMM seminar	Jena	29-30.04.2025
Anastasia	Solomatina	The role of neutrophil-derived extracellular vesicles in promoting *Candida albicans* escape from phagocytosis	SBMI	Jena	18.09.2025
Carl-Magnus	Svensson	Response prediction of lipopolysaccharide challenged healthy subjects and NETosis dynamics	SBMI	Jena	19.09.2025
Philipp	Städter	Pandemic preparedness: Individual-based modeling of day care centers predicts optimal surveillance strategies against pandemic viral diseases	SBMI	Jena	18.09.2025
Meeting Organizations					

Zoltan + Ruman	Cseresnyes + Gerst	JIPipe Spring Course 2025	Image Analysis Course at FSU Jena	Jena	31.03.2025-04.04.2025
Zoltan + Ruman	Cseresnyes + Gerst	JIPipe Workshop	TiM 2025	Münsingen	17.03.2025-21.03.2025

Vorname	Name	Titel des Vortrages Name des organisierten Meetings	Anlass (Tagung etc.)	Ort	Datum
2024					
Philipp	Städter	Individual-based modeling of day care centers predicts optimal surveillance strategies against SARS-CoV-2	15th conference on Dynamical Systems Applied to Biology and Natural Sciences	Lissabon	09.02.2024
Jan-Philipp	Praetorius	JIPipe2AI - deep learning access for everyone	MIttelerde meeting 2024	Jena	29.02.2024
Paul	Rudolph	Virtual infection model for nanobody-mediated neutralization of candidalysin	Funginet Seminar	Jena	26.03.2024
Carl	Svensson	JIPipe – Automated Image Analysis for Everyone	LPI focus seminar	Jena	24.04.24

Sandra	Timme	Modelling of bacterial co-infections and in silico organ-on-chip models	LPI Project Meeting	Jena	07.05.24
Marc Thilo	Figge	Image-based Systems Biology of Fungal Infections in Humans	Systems Biology of Mammalian Cell	Leipzig	13.05.-15.05.2024
Marc Thilo	Figge	Crossing Boundaries: Beyond Mycology	FEBS Advanced Course Molecular mechanisms of host–pathogen interactions and virulence in human fungal pathogens	La Colle sur Loup (France)	21.05.24
Yann	Bachelot	Spatial distancing: modeling immune evasion by the human-pathogenic fungus *Candida albicans*	FEBS Advanced Course Molecular mechanisms of host–pathogen interactions and virulence in human fungal pathogens	La Colle sur Loup (France)	22.05.24
Marc Thilo	Figge	Potential and Risks of Artificial Intelligence in Biomedical Research	FEBS Advanced Course Molecular mechanisms of host–pathogen interactions and virulence in human fungal pathogens	La Colle sur Loup (France)	22.05.24

Jan-Philipp	Praetorius	Quantitative imaging based on deep learning reveals fat infiltration in nerve-damaged muscles not to be triggered by electrical stimulation	7th International Symposium Interface Biology of Implants (IBI)	Rostock	05.06.2024
Yann	Bachelot	Spatial distancing: Modeling immune evasion of the human-pathogenic fungus Candida albicans	European Conference of Mathematical and Theoretical Biology (ECMTB)	Toledo, Spain	26.07.2024
Marc Thilo	Figge	Image-based Systems Biology of Fungal Infections in Humans	MiCom	Jena	02.09.2024
Parastoo	Akbarimoghaddam	From Pixels to Insights: Image-based Analysis of Organ-on-Chip Models	MiCom	Jena	02.09.2024
Anastasia	Solomatina	MuMoSim: Machine Learning Supported Multi-Model Simulator for Infection Research	BMBF Computational Life Sciences Statusseminar 2024	Bonn	10.09.2024
Parastoo	Akbarimoghaddam	Modeling of intravenous caspofungin administration using an intestine-on-chip	IbSB 2024	Jena	27.09.2024

Arjun	Sarkar	High-Throughput Detection of Microbial Growth and Antibiotic Resistance at the Single-Cell Level Using Scattered Light Imaging and Convolutional Neural Networks	IbSB 2024	Jena	27.09.20
Ruman	Gerst	JIPipe: FAIR image analysis without programming	IbSB 2024	Jena	27.09.2024
Christoph	Saffer	Spatiotemporal modeling quantifies cellular contribution to uptake of *A. fumigatus* in the human lung	VAAM 2024	Würzburg	05.06.2024
Christoph	Saffer	Spatiotemporal modeling quantifies cellular contribution to uptake of *A. fumigatus* in the human lung	DeMyk 2024	Jena	19.09.2024
Parastoo	Akbarimoghaddam	From Pixels to Insights: Image-based Analysis of Organ-on-Chip Models	Microverse JSMC Early Career Research Exchange Seminar	Jena	22.11.2024
Prizes					
Zoltan	Cseresnyés	Jia LJ*, Rafiq M, Radosa L, Hortschansky P, Cunha C, Cseresnyés Z,	medac Research Award		

		Krüger T, Schmidt F,Heinekamp T, Straßburger M, Loeffler B, Doenst T, Lacerda JF, Campos A, Figge MT, Carvalho A, Kniemeyer O, Brakhage AA# (2023) Aspergillus fumigatus hijacks human p11 to redirect fungal-containing phagosomes to non-degradative pathway. Cell Host Microbe 31(3), 373-388.			
Parastoo	Akbarimoghaddam	Kaden, T., Alonso-Roman, R., Akbarimoghaddam, P. et al.: Modeling of intravenous caspofungin administration using an intestine-on-chip reveals altered Candida albicans microcolonies and pathogenicity. Biomaterials 307 (2024).	Siegfried Czapski Publication Prize 2024		
Parastoo	Akbarimoghaddam	Kaden, T., Alonso-Roman, R., Akbarimoghaddam, P. et al.: Modeling of intravenous caspofungin administration using an intestine-on-chip reveals altered Candida albicans microcolonies and pathogenicity.	medac Research Award 2024		

		Biomaterials 307 (2024).			
Meeting Organizations					
Zoltan + Ruman	Cseresnyes + Gerst	Basic and Advanced Image Analysis with JIPipe	Image Analysis Course at FSU Jena	Jena	18-22.03.2024
2023					
Parastoo	Akbarimoghaddam	image-based analysis of Candida albicans infection in a gut-on-chip model	Microverse weekly seminar	Jena	17.04.2023
Mounir	Zerdani	Antimicrobial knowledge bases and image analysis – an overview	7th European Symposium on Biomaterials and Related Areas BioMAT 2023	Weimar	03.05.2023
Mounir	Zerdani	Quantification of Microbial Adhesion to Biomaterials using JIPipe	M-M-M Symposium	Dornburg	23.11.2023
Carl	Svensson	User friendly pipelines for analysis of image and spectroscopy data using JIPipe	LPI project meeting	Jena	03.05.2023

Sandra	Timme	Modelling of bacterial co-infections and in silico organ-on-chip models	LPI project meeting	Jena	03.05.2023
Parastoo	Akbarimoghaddam	Gut-on-chip model for image-based analysis of Candida albicans infection	7th European Symposium on Biomaterials and Related Areas BioMAT 2023	Weimar	03.05.2023
Paul	Rudolph	Dynamic modelling of the complement system to understand immune evasion by *C. albicans*	Bonn Conference on Mathematical Life Sciences 2023	Bonn	19.04.2023
Paul	Rudolph	Mechanistic modeling on the example of *Candida* infections	Funginet	Jena	06.06.2023
Christoph	Saffer	Modelling the early immune defense against A. fumigatus in the human lung	Funginet	Jena	06.06.2023
Parastoo	Akbarimoghaddam	Gut-on-chip model for image-based analysis of Candida albicans infection	4th International Forum on BioChips & BioChip Solutions	Berlin	14.06.2023
Yann	Bachelot	Spatial distancing: investigation of a defense mechanism for pathogen immune evasion	Workshop on Computational Models in Biology and Medicine 2023	Stuttgart	15.06.2023

Parastoo	Akbari moghaddam	An intestine-on-chip to dissect *Candida albicans* infections and evaluate therapeutic approaches	Microverse symposium 2023	Jena	04.09.2023
Paul	Rudolph	Neutralization of the *Candida albicans* toxin, candidalysin, blocks epithelial damage and dampens inflammatory responses associated with vulvovaginal candidiasis immunopathogenesis	Systems Biology of Microbial Infection 2023	Jena	21.09.2023
Philipp	Städter	Individual-based modeling of day care centers can predict optimal surveillance strategies against SARS-CoV-2	Systems Biology of Microbial Infection 2023	Jena	21.09.2023
Anastasia	Solomatina	Theory-informed experimental design for model identifiability: what needs to be measured?	Systems Biology of Microbial Infection 2023	Jena	22.09.2023
Christoph	Saffer	Modelling the early immune defense against A. fumigatus in the human lung	Systems Biology of Microbial Infection 2023	Jena	21.09.2023

Anastasia	Solomatina	MuMoSim: Machine Learning Supported Multi-Model Simulator for Infection Research	BMBF Computational Life Sciences Statusseminar 2023	Marburg	25.09.2023
Marc Thilo	Figge	Image-based Systems Biology of Fungal Infections	Myk2023	Frankfurt	27.09.2023
Jan-Philipp	Praetorius	From images to biological insights: Tools and applications for automated image analysis	Funginet Annual Joint Symposium	Jena	04.10.2023
Marc Thilo	Figge	Bioimage informatics and analysis	NFDI4Bioimage	Düsseldorf	16.10.2023
Marc Thilo	Figge	Image-based Systems Biology: From Images to Numbers to Mechanisms	3rd Intravital Microscopy Day	Magdeburg	23.10.2023
Ruman	Gerst	JIPipe: Visual programming	3rd Intravital Microscopy Day	Magdeburg	23.10.2023
Carl-Magnus	Svensson	Combinations of Machine Learning and statistical modeling for the interpretation of high dimensional microscopy data	Inference in Microscopy workshop	Jena	08.11.2023
Zoltan	Cseresnyes	Quantifying the structure and function of organs-on-chip with artificial	IBID 2023	Cottbus	17-18.10.2023

		intelligence-aided image processing			
Carl-Magnus	Svensson	Data fusion and causal inference for infection scenarios	LPI project meeting	Dornburg	13.11.2023
Ruman	Gerst	Bildanalyse mittels Künstlicher Intelligenz für Jedermann	Digitalgipfel 2023	Jena	20.11.2023
Prizes					
Zoltan + Thilo	Cseresnyes + Figge	Paper of the Month Award	https://www.dghm.org/aktuelles/paper-of-the-month/	DGHM	May 2023
Meeting Organizations					
Zoltan + Ruman	Cseresnyes + Gerst	Basic and Advanced Microscopy and Image Analysis	Online Image Analysis Course at FSU Jena	Jena	27-31.03.2023
Zoltan + Ruman	**Cseresnyes + Gerst**	JIPipe Workshop	TiM 2023	Münsingen	20-24.03.2023
2022					
Yousef	Jamali	An introduction to modeling and simulation in the field of biology and medicine	Conference : the role of basic science in health promotion	Shiraz (Iran)	20.12.2022

Jan-Philipp	Praetorius	Automated Characterisation of Neutrophil Activation Phenotypes in Ex Vivo Human Candida Bloodstream Infections	FungiNet Internal lecture	Jena	08.02.2022
Paul	Rudolph	B4: Immune Evasion by spatial distancing / Modeling Candida albicans Complement Regulator Pra1	Invasive Mycoses in Haematological Malignancies IMIHM XIV & CRC/Transregio 124 FungiNet	Würzburg	01.04.2022
Christoph	Saffer	Comparative simulations of fungal infection dynamics in the human and murine alveolus	International Joint Meeting Infection Biology and Antibiotics	Berlin	04.05.2022
Ruman	Gerst	JIPipe: Building automated image analysis tools without programming	International Joint Meeting Infection Biology and Antibiotics	Berlin	04.05.2022
Zoltan	Cseresnyes	Systems Biology of Organ-on-Chip Models	BioCHIP 2022	Berlin	10-11.05.2022
Marc Thilo	Figge	Image-based Systems Biology: From images to numbers	Human Fungal Pathogens - FEBS Advanced Course	Nice, France	14-20.05.2022
Timme	Sandra	A state-based model and feasibility study to design an optimal COVID-19 surveillance	Workshop on Computational Models in Biology and Medicine 2022	Göttingen, Germany	23.-24.06.2022

		protocol for child care facilities			
Timme	Sandra	Image-based virtual experiments: From observations via quantifications to mechanisms	Project Meeting LPI Basic Technologies	Dornburg, Germany	28.06.2022
Rudolph	Paul	DYNACOSYS: Dynamica model to investigate pathogen immune evasion	Workshop on Computational Models in Biology and Medicine 2022	Göttingen, Germany	23.-24.06.2022
Svensson	Carl	WP4 Leibniz-HKI // A hidden Markov model for the analysis of migration modes for sub-cellular organelles and WP7 Leibniz-HKI // Combination of image and fluorescence data for antibiotic susceptibility testing in microfluidic droplets	Project Meeting LPI Basic Technologies	Dornburg, Germany	28.06.2022
Cseresnyes	Zoltan	Visualization and systemic quantification of fluorescence-tagged nanoparticles through intravital microscopy	Image-based Systems Biology 2022	Jena, Germany	8-9.09.2022
Arjun + Jan-Philipp	Sarkar + Praetorius	Characterization of neutrophil activation phenotypes in *ex vivo* human	Image-based Systems Biology 2022	Jena, Germany	8-9.09.2022

		Candida blood infections using deep learning modules			
Carl	Svensson	Quantification of microtubule-guided peroxisome migration using a hidden Markov chain model	Image-based Systems Biology 2022	Jena, Germany	8-9.09.2022
Parastoo	Akbarimoghaddam	Image-based analysis of Candida albicans infection in a gut-on-chip model	Image-based Systems Biology 2022	Jena, Germany	8-9.09.2022
Jan-Philipp	Praetorius	Automated image analysis and quantification of Candida albicans morphotypes	FungiNet Internal lecture	Jena, Germany	27.09.2022
Kassandra	Walluks	Strukturelle Auswirkung elektrischer Langzeitstimulation auf den M. cricoarytenoideus posterior bei Schafen	AKP Tagung	Jena, Germany	29.09.2022
Figge	Marc Thilo	Spatio-temporal modeling of fungal infection dynamics in the human and murine lung	[3C] Cells, Computers, Clinics	Lisbon, Portugal	26-28.10.2022
Figge	Marc Thilo	Systems Biology of Infection	Invited Colloquium	Frankfurt Institute for Advance	10.11.2022

				d Studies	
Timme	Sandra	Poster: Modelling and simulation of co-infections with Staphylococcus aureus and Acinetobacter baumannii	Project Meeting LPI Basic Technologies	Jena, Germany	07.12.2022
Svensson	Carl	Quantification of microtubule-guided organelle migration using a hidden Markov chain model	Project Meeting LPI Basic Technologies	Jena, Germany	07.12.2022
Prize					
Cseresnyes Saffer Blickensdorf		Hoang TNM*, Cseresnyés Z*, Hartung S*, Blickensdorf M, Saffer C, Rennert K, Mosig AS, von Lilienfeld-Toal M#, Figge MT# (2022) Invasive aspergillosis-on-chip: A quantitative treatment study of human Aspergillus fumigatus infection. Biomaterials283: 121420.	medac Research Award		
Meeting Organization					
Zoltan + Ruman	Cseresnyes + Gerst	Basic and Advanced Microscopy and Image Analysis	Online Image Analysis Course by FSU Jena	Jena, Germany	28.03-01.04.2022

Zoltan	Cseresnyes	Image analysis with JIPipe	Mini-workshop at FSU Jena	Jena, Germany	29.07 (part 1), 05.08 (part 2), 30.08.2022 (part 3), tbc
Zoltan	Cseresnyes	Image analysis with JIPipe	Mini-workshop at University Hospital Jena	Jena, Germany	15.08.2022 (part 1), tbc
Sandra	Timme	IbSB 2022	IbSB 2022	Jena, Germany	08./09.09.2022
Zoltan + Ruman	Cseresnyes + Gerst	JIPipe Workshop	ICSB 2022	Berlin, Germany	10.10.2022
2021					
Ruman	Gerst	JIPipe: Designing image analysis pipelines without programming	8th International Conference on Microbial Communication for Young Scientists	Jena (digital)	30.03.2021
Christoph	Saffer	Comparative simulations of fungal infection dynamics in human and murine lung	8th International Conference on Microbial Communication for Young Scientists	Jena (digital)	29.03.2021
Alexander	Tille	Candida albicans and the complement regulator Pra1: Immune evasion by spatial distancing	8th International Conference on Microbial Communication for Young Scientists	Jena (digital)	30.03.2021

Paul	Rudolph	Analysis of causal-effect relations of pathogen-host interactions by combining live-cell image data with virtual infection modeling	8th International Conference on Microbial Communication for Young Scientists	Jena (digital)	30.03.2021
Zoltan	Cseresnyes	Host-pathogen interactions explored by quantitative image analysis (invited talk)	DRFZ Internal Seminar Series	Berlin (digital)	1.6.2021
Ruman + Jan-Philipp	Gerst + Praetorius	Bioimage analysis with deep learning for everyone: Visual programming in JIPipe	GCB 2021	Frankfurt a. M. (digital)	6.9.2021
Christoph	Saffer	Comparative simulations of fungal infection dynamics in human and murine lung	GCB 2021	Frankfurt a. M. (digital)	8.9.2021
Christoph	Saffer	Comparative simulations of fungal infection dynamics in human and murine lung	SBMI 2021	Jena (digital)	12.11.201
Paul	Rudolph	A state based model and feasibility study to design an optimal COVID-19 surveillance	SBMI 2021	Jena (digital)	11.11.2021

		protocol for child care facilities			
Ruman	Gerst	JIPipe: Visual programming for ImageJ	BII 2021	Paris (digital)	01.12.2021
Ruman+Zoltan	Gerst+Cseresnyes	Designing Fully Automated Bioimage Processing Pipelines without Programming	MIST 2021	Beijing (digital)	03.12.2021
Carl	Svensson	Hidden Markov Model for analysis of peroxisome movement	BII 2021 (poster)	Paris (Digital)	29.01.2021
Carl	Svensson	Determination of Extrinsic and Intrinsic Causes for Immune Cell Behaviour in Confrontation Assays	MIST 2021	Beijing (digital)	03.12.2021
Sandra	Timme	Image-based modelling to estimate host-pathogen interaction parameters to overcome limitations of traditional phagocytosis measures	MIST 2021	Beijing (digital)	03.12.2021
Ivan	Belyaev	Automated Characterization of Neutrophil Activation Phenotypes for Human Candida Bloodstream Infections	BII 2021 (poster)	Paris (Digital)	30.11.2021

Jan-Philipp	Praetorius	Deep Learning for Big Data Images: Accelerated Access to Modern Biomedical Image Analysis	MIST 2021	Beijing (digital)	03.12.2021
Bianca	Hoffmann	Mcat: A toolkit for deep learning-based segmentation and automated analysis of MSOT image data	MIST 2021 (poster)	Beijing (digital)	03.12.2021
Meeting Organization					
Zoltan	Cseresnyes	Workshop on microscopy: “How to produce good quality images?”	8th International Conference on Microbial Communication for Young Scientists	Jena (digital)	29.03.2021
Marc Thilo	Figge + ASB	6th Int. Symp. Systems Biology of Microbial Infection		Jena (digital)	11.-12.11.2021
Marc Thilo	Figge	GCB 2021		Halle (digial)	6.-8.09.2021
Zoltan + Ruman	Cseresnyes + Gerst	Workshop on: “Host pathogen interactions explored by quantitative image analysis”	JNCASR Images2Numbers 2021 https://bioimageanalysis.jncasr.ac.in	Jakkur, Bengaluru, Karnataka, India (digital)	16-27.08.2021

Zoltan	Cseresnyes	Tutorial on: “Image analysis without programming: from basic to high throughput processing”	Polytarget PhD monthly seminar series	Jena	19.11.2021
Zoltan + Ruman	Cseresnyes + Gerst	Basic and Advanced Microscopy and Image Analysis	Online Image Analysis Course by FSU Jena	Jena, Germany	12-16.-04.2021
Award					
Christoph	Saffer	Committee Award for best PhD Talk	8th International Conference on Microbial Communication for Young Scientists	Jena (digital)	29.03.2021
Zoltan	Cseresnyes	medac Research Award 2021	Büttner, et al. "Bacterial endosymbionts protect beneficial soil fungus from nematode attack." Proceedings of the National Academy of Sciences 118.37 (2021).	HKI Jena	December 2021
Ruman	Gerst	medac Research Award 2021	Büttner, et al. "Bacterial endosymbionts protect beneficial soil fungus from nematode attack." Proceedings of	HKI Jena	December 2021

			the National Academy of Sciences 118.37 (2021).		
2020:					
Zoltan	Cseresnyes	Role of hepatic macrophage polarization in the acute phase of bacteraemia with Staphylococcus Aureus	5th International Symposium on Image-based Systems Biology	(digital) Jena	1.10.2020
Ruman	Gerst	JIPipe: a graphical batch-Processing language for ImageJ	5th International Symposium on Image-based Systems Biology	(digital) Jena	1.10.2020
Zoltan	Cseresnyes	Labeling processes manipulate the phagocytosis of pathogens by macrophage cells	54. Tagung der Deutschsprachigen Mykologischen Gesellschaft e.V. & 3rd International Symposium of the CRC/Transregio FungiNet	(digital) Würzburg	17.09.2020
Jan-Philipp	Praetorius	Automatic segmentation and classification of fungal-infected tissue using Deep Learning	5th International Symposium on Image-based Systems Biology	(digital) Jena	2.10.2020
Jan-Philipp	Praetorius	Automatic segmentation and classification of	54. Tagung der Deutschsprachigen	(digital) Würzburg	17.09.2020

		fungal-infected tissue using Deep Learning	Mykologischen Gesellschaft e.V. & 3rd International Symposium of the CRC/Transregio FungiNet		
Sandra	Timme	Image data analysis and agent-based modelling of the spatio-temporal interaction between immune cells and human-pathogenic fungi - Pores of Kohn in human alveoli	FungiNet Internal lecture	Jena	03.03.2020
Jan-Philipp	Praetorius	Automatic segmentation and classification of fungal-infected tissue using Deep learning	FungiNet Internal lecture	Jena	03.03.2020
Marco	Blickensdorf	Agent-based modelling of the impact of Pores of Kohn in infection dynamics of A. fumigatus in human alveoli	Workshop on Computational Models in Biology and Medicine	Bonn	04.02.2020
Carl-Magnus	Svensson	Machine learning supported image analysis of microfluidic droplets: Using Random Forest classifiers and Bayesian inference for identification of	The 4th NEUBIAS Conference & Symposium	Bordeaux, France	04.03.2020

		experimental conditions			
Ruman	Gerst	MISA++: a standardized interface for automated high-performance big volume image analysis	The 4th NEUBIAS Conference & Symposium	Bordeaux, France	04.03.2020
Sandra	Timme	CellRain – Simulation of virtual phagocytosis assays	54th Scientific Conference of the German speaking Mycological Society (DMykG) e. V. and 3rd International Symposium of the CRC/Transregio FungiNet	Würzburg, Germany (online)	17.09.2020
Sandra	Timme	Virtual phagocytosis assays reveal strain-specific differences in the microscopic parameters of the interaction between alveolar macrophages and two A. fumigatus strains	5th International Symposium on Image-based Systems Biology	(online) Jena, Germany	01.10.2020
2019:					
Anna	Medyukhina	DeconvTest: an in silico microscopy framework to evaluate the	NEUBIAS	Luxembourg	6.02.2019

		accuracy of deconvolution			
Zoltan	Cseresnyes	ACAQ: a Fiji and R toolkit targeted for automated confrontation assay quantification	NEUBIAS	Luxembourg	6.2.2019
Maria	Praußе	Verifying hypotheses on immune evasion of pathogens in human whole blood by state-based virtual infection models	Workshop on Computational Models in Biology and Medicine 2019	Braunschweig	7.3.2019
Ruman	Gerst	MISA++: a modular and high-performance framework for analysis of light sheet microscopy images	Swiss Lightsheet Microscopy Workshop 2019	Zurich	24.-26.04.2019
Marco	Blickensdorf	Comparative Modeling of Aspergillus fumigatus Infections in Murine and Human Lung	ILRS Joint Retreat	Wittenberg	3.5.2019
Marc Thilo	Figge	Confrontations.	Mittelerde Meeting 2019	Dresden	13.-14.6.2019
Zoltan	Cseresnyes	Quantifying the distribution of nanoparticle- and micelle-based cargo delivery using image-based systems biology techniques.	PolyTarget Summer School 2019	Fulda	24.-28.6.2019

Sandra	Timme	FungiNet Project B4 – Image data analysis and agent-based modelling of the spatio-temporal interaction between immune cells and human-pathogenic fungi	JOINT MEETING Invasive Mycoses in Haematological Malignancies (IMIHM) XIII & CRC/Transregio 124 FungiNet	Würzburg	27.-28.05.2019
Teresa	Lehnert	Unraveling innate immune mechanisms against pathogens in avian whole blood by combining experimental and mathematical infection models	5th International Symposium on Systems Biology of Microbial Infection (SBMI)	Jena	26.-27.09. 2019
Zoltan	Cseresnyes	“Invasive aspergillosis-on-a-chip” - a novel disease model to study *Aspergillus fumigatus* infection in the human lung	5th International Symposium on Systems Biology of Microbial Infection (SBMI)	Jena	26.-27.09. 2019
Carl	Svensson	Unsupervised learning: How to learn from unlabelled data	6th International CCTB Summer School Machine Learning and Artificial Intelligence in Biology	Würzburg	24.09.2019
Carl	Svensson	Tutorial on Bayesian Inference and unsupervised learning	6th International CCTB Summer School Machine Learning and	Würzburg	24.09.2019

			Artificial Intelligence in Biology		
Marc Thilo	Figge	Computational Systems Biology: From Images to Numbers	Leibniz Science Campus InterACt, Hamburg University	Hamburg	24.-25.10.2019
Zoltan	Cseresnyes	PolyTarget Z01 Project Summary: “Image-based Systems Biology in support of nanoparticle research.”	PolyTarget Retreat, Apolda	Apolda	6.-7.11.2019
		EXTERNAL SUPERVISION			
Zoltan	Cseresnyes	Gabriel Valentin Krause	Master’s degree course of Computer Sciences Subject: „Virtual Biological Cell Generator“	Humboldt University, Berlin and Bundesinstitut für Risikobewertung Berlin	October 2020-March 2021
		EDITOR POSITIONS			
Zoltan	Cseresnyes	Review Editor for Frontiers in Bioinformatics	Editorial Board of Computational BioImaging	www.frontiersin.org	September 2020

Hoffmann	Bianca	Review Editor for Frontiers in Bioinformatics	Editorial Board of Computational BioImaging	www.frontiersin.org	September 2020
		MEETING ORGANIZATION			
MTF and ASB/IbSB Team			5th International Image-based Systems Biology	Jena	1-2.10.2020
MTF and SBMI Team			5th International Symposium on Systems Biology of Microbial Infection	Jena	26-27.09.2019
		AWARDS			
Zoltan	Cseresnyes	medac Research Award 2020	Schmidt et al., Cell reports. 2020 Aug 18;32(7):108017.	HKI Jena	November 2020
Zoltan	Cseresnyes	Paper of the Month Award	Schmidt et al., Cell reports. 2020 Aug 18;32(7):108017.	DGHM (Deutsche Gesellschaft für Hygiene und Mikrobiologie)	November 2020
Zoltan	Cseresnyes	Paper of the Month Award	Deinhardt-Emmer et al., Biofabrication. 2020 Jan 27.	DGHM (Deutsche Gesellschaft für	January 2020

				Hygiene und Mikrobiologie)	
Zoltan	Cseresnyes	Cytometry A 2018 Best Paper Award	CYTO 2019	Vancouver	22-26.6.2019
Sandra	Timme	SBMI Best Poster Award	SBMI 2019	Jena	26./27.09.2019
Carl	Svensson	Coding of Experimental Conditions in Microfluidic Droplet Assays Using Colored Beads and Machine Learning Supported Image Analysis	medac Forschungspreis 2019		December
Stefanie	Dietrich	Coding of Experimental Conditions in Microfluidic Droplet Assays Using Colored Beads and Machine Learning Supported Image Analysis	medac Forschungspreis 2019		December
Bianca	Hoffmann	Gramibactin is a bacterial siderophore with a diazeniumdiolate ligand system	Leibniz-Drug of the Year 2019		02.04.19

2018:					
Zoltan	Cseresnyes	Quantitative image analysis of label-free cells.	QBI	Göttingen	05.01.2018
Marc Thilo	Figge	Systems Biology of Aspergillus fumigatus Infection	Meeting AlveoSys II	Leipzig	05.-06.03.2018
Marco	Blickensdorf	Comparative agent-based modeling of Aspergillus fumigatus infections in mice and men	Computational Models in Biology and Medicine	Regensburg	8.3.18
Alexander	Tille	Mathematical model of the factor H mediated self and non-self discrimination by the complement system	MiCom 2018	Jena	19-22.03.2018
Naim	Al-Zaben	AMITv2: An Enhanced Automated Segmentation and Tracking Framework	MiCom 2018	Jena	19-22.03.2018
Marc Thilo	Figge	Image-based Systems Biology: From Images to Numbers	JBIL Symposium “Jena Experimental Imaging”	Jena	18.06.2018
Marc Thilo	Figge	Systems Biology of Aspergillus fumigatus Infection	Meeting AlveoSys III	Berlin	19.06.2018
Ivan	Belyaev	Combining whole-blood infection assays	Life meets Light - The Second	Jena	05.09.18

		with live-cell imaging to identify morphokinetic parameters for infection classification	Scientific Conference of the Leibniz ScienceCampus InfectoOptics		
Ruman	Gerst	Towards an open high-performance platform for fully-automated analysis of whole organ lightsheet fluorescence microscopy data	4th International Symposium on Image-based Systems Biology	Jena	06.09.2018
Carl-Magnus	Svensson	Coding of experimental conditions in microfluidic droplet assays using colored beads and machine learning supported image analysis	4th International Symposium on Image-based Systems Biology	Jena	06.09.2018
Claudia	Sichting	Simulation of virtual phagocytosis assays with alveolar macrophages and *Aspergillus fumigatus* conidia reveals immune reaction rates	4th International Symposium on Image-based Systems Biology	Jena	07.09.18
Marc Thilo	Figge	LeibnizScience Campus InfectoOptics - Combating infectious diseases with advanced optical methods	Strategy Symposium InfectoGnostics 2025	Jena	30.10.2018

Teresa	Lehnert	Characterization of different sepsis phases by virtual infection modeling of the innate immune response in human whole blood	19th International Conference on Systems Biology (ICSB)	Lyon	31.10. 2018
Anna	Medyukhina	Automated image analysis of mast cell – dendritic cell interactions reveals weapon transfer in the immune system	19th International Conference on Systems Biology (ICSB)	Lyon	31.10. 2018
Carl-Magnus	Svensson		2nd GyMIC Molecular Imaging Symposium | MoBi 2018	Göttingen	15.11.2018
Sandra	Timme	FungiNet Project B4 – Image data analysis and agent-based modeling of the spatio-temporal interaction between immune cells and human-pathogenic fungi	Annual FungiNet Meeting	Kloster Banz	19.11.2018
Anna	Medyukhina	DeconvTest: an in silico microscopy framework to evaluate the accuracy of deconvolution	NEUBIAS	Luxembourg	6.02.2019

Zoltan	Cseresnyes	ACAQ: a Fiji and R toolkit targeted for automated confrontation assay quantification	NEUBIAS	Luxembourg	6.2.2019
		MEETING ORGANIZATION			
MTF and Bernhard Hube			Life meets Light - The Second Scientific Conference of the Leibniz ScienceCampus InfectoOptics	Jena	05.09.18
MTF and IbSB Team			4th International Symposium on Image-based Systems Biology	Jena	06-07.09.2018
		AWARDS			
Carl-Magnus Svensson		**Candida albicans-induced epithelial damage mediates translocation through intestinal barriers**	medac Forschungspreise 2018		November
Carl-Magnus Svensson		**Candida albicans-induced**	Paper of the Month by		April

		epithelial damage mediates translocation through intestinal barriers	'Deutsche Gesellschaft für Hygiene und Mikrobiologie' (DGHM)		
Carl-Magnus Svensson		**Candida albicans-induced epithelial damage mediates translocation through intestinal barriers**	Best publication by the DMykG foundation		September
2017:					
Marc Thilo	Figge	WORKSHOP: Cooperation beyond Disciplines: How Systems Biology can really work!	MICOM 2017	Jena	20.03.-23.03.2017
Zoltan	Cseresnyes	WORKSHOP: Microscopy Imaging: How to produce good images	MICOM 2017	Jena	20.03.-23.03.2017
Marco	Blickensdorf	Agent-based modeling of early Aspergillus fumigatus infection in mice	MICOM 2017	Jena	23.03.17

Maria	Praußе	Predictive Infection Modeling of Candida albicans Immune Escape in Human Blood	MICOM 2017	Jena	23.03.17
Marc Thilo	Figge	Systems Biology of Host-Pathogen Interactions	Uniklinikum Tübingen, Prof. Dr. Autenrieth	Tübingen	11.05.2017
Marco	Blickensdorf	Agent-based modeling of early Aspergillus fumigatus infection in mice	ILRS Symposium 2017	Jena	04.05.2017
Maria	Praußе	Predictive Infection Modeling of Candida albicans Immune Escape in Human Blood	ILRS Symposium 2017	Jena	04.05.17
Anna	Medyukhina	Automated image analysis of biomedical microscopy data	Jahrestagung der DGaO / Biophotonics Symposium	Dresden	09.06.17
Maria	Praußе	Predictive Infection Modeling of Candida albicans Immune Evasion in Human Blood	International Conference on Molecular Systems Biology (ICMSB2017)	Burg-hausen	28.07.17
Teresa	Lehnert	Dimensionality of motion and binding valency govern receptor-ligand kinetics as revealed by agent-based modelling	International Conference on Molecular Systems Biology (ICMSB2017)	Burg-hausen	26.07.17

Marc Thilo	Figge	LeibnizScience Campus InfectoOptics	Leibniz Association	Berlin	11.09.17
Marc Thilo	Figge	Systems Biology of Infection	Summer School on Modeling and Image Analysis of Complex Systems	Würzburg	20.09.17
Anna	Medyukhina	Analysis of mitochondrial granularity in hepatic ischemia-reperfusion injury (tandem talk with Adrian Press)	4th International Symposium, Systems Biology of MIcrobial Infection (SBMI)	Jena	21.09.17
Teresa	Lehnert	Quantification of the Innate Immune Function in Whole-Blood Infection Assays Reveals Pathogen-dependent Immune Defence of Different Sepsis Phases	4th International Symposium, Systems Biology of Microbial Infection (SBMI)	Jena	21.09.17
Zoltan	Cseresnyes	Automated Image Analysis of the Interaction between Lichtheimia spp. and Alveolar Macrophages	4th International Symposium, Systems Biology of MIcrobial Infection (SBMI)	Jena	21.09.17
Zoltan	Cseresnyes	Finding, tracking and simulating immune cells in action	Bundesinstitut für Risikobewertung	Berlin	22.9.17

Carl-Magnus	Svensson	Antibiotics susceptibility testing by machine learning supported image analysis of colour coded microfluidic droplets	Cytometry 2017	Jena	06.10.17
Marc Thilo	Figge	Whole Blood Imaging	Life Meets Light 2017	Jena	18.10.17