Dr. Zoltán Cseresnyés

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Curriculum vitae

Main Research Areas

- Intravital 2-photon microscopy of the immune system
- Software development for automated and advanced image analysis and model-based simulations
- Image-based Systems Biology

Professional Career

since 2016	Research associate, imaging and image analysis specialist at the Hans Knoell Institute, Jena
2016-2016	Microscopy and imaging specialist at the Deutsches Rheuma-Forschungszentrum (DRFZ) and the Beuth Hochschule, Berlin
2012-2016	Microscopy and imaging specialist in the JIMI (Joint Intravital Microscopy and Imaging) project at the Deutsches Rheuma-Forschungszentrum, Max Delbrück Center (Berlin) and at the Hans Knoell Institute, Jena
2010-2012	Research associate and Co-manager of the Confocal and 2-Photon Microscopy Core Facility at Max Delbrück Center for Molecular Medicine in Berlin
2007-2010	Imaging Facility manager in the Department of Zoology at the University of Cambridge (GB)
1994-2007	Research associate and confocal imaging specialist in the Department of Biochemistry and Molecular Biology at the University of Maryland Baltimore (USA)
1991-1994	Research associate in the Department of Physiology at the School of Medicine at Debrecen University (HU)
1985-1991	Research associate in the Department of Solid State Physics at Debrecen University (HU)

Publications

Jojić K*, Gherlone F*, Cseresnyés Z, Bissell AU, Hoefgen S, Hoffmann S, Huang Y, Janevska S, Figge MT, Valiante V (2024) The spatial organization of sphingofungin biosynthesis in *Aspergillus fumigatus* and its cross-interaction with sphingolipid metabolism. *mBio* 15(3), e0019524.

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Gardey E, Cseresnyés Z, Sobotta FH, Eberhardt J, Haziri D, Grunert PC, Kuchenbrod MT, Gruschwitz FV, Hoeppener S, Schumann M, Gaßler N, Figge MT, Stallmach A[#], Brendel JC[#] (2023) Selective uptake into inflamed human intestinal tissue and immune cell targeting by wormlike polymer micelles. *Small* , e2306482.

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Goldmann M[*], Schmidt F[*], Cseresnyés Z, Orasch T, Jahreis S, Hartung S, Figge MT, von Lilienfeld-Toal M, Heinekamp T, Brakhage AA[#] (2023) The lipid raft-associated protein stomatin is required for accumulation of dectin-1 in the phagosomal membrane and for full activity of macrophages against *Aspergillus fumigatus*. *mSphere* 8(1), e00523-22.

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Kühne M*, Hofmann S*, Lindemann H, Cseresnyés Z, Dzierza A, Schröder D, Godmann M, Koschella A, Eggeling C, Fischer D, Figge MT, Heinze T, Heinzel T# (2023) Analysis of HDACi-coupled Nanoparticles: Opportunities and challenges. In: Humana, New York, NY (eds.) HDAC/HAT Function Assessment and Inhibitor Development. Methods in Molecular Biology 2589, pp. 129-144. Springer Protocols. ISBN: 978-1-0716-2787.

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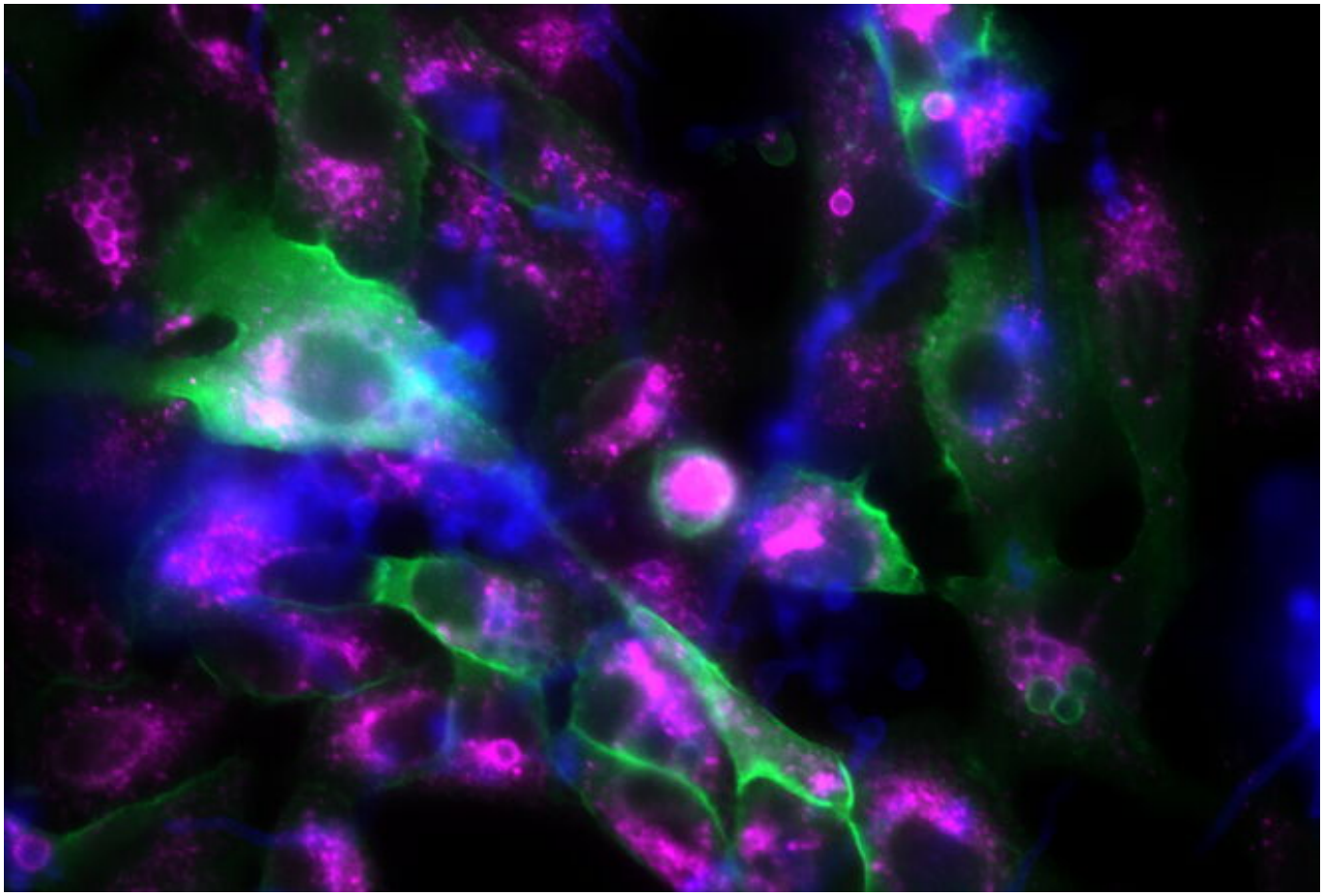

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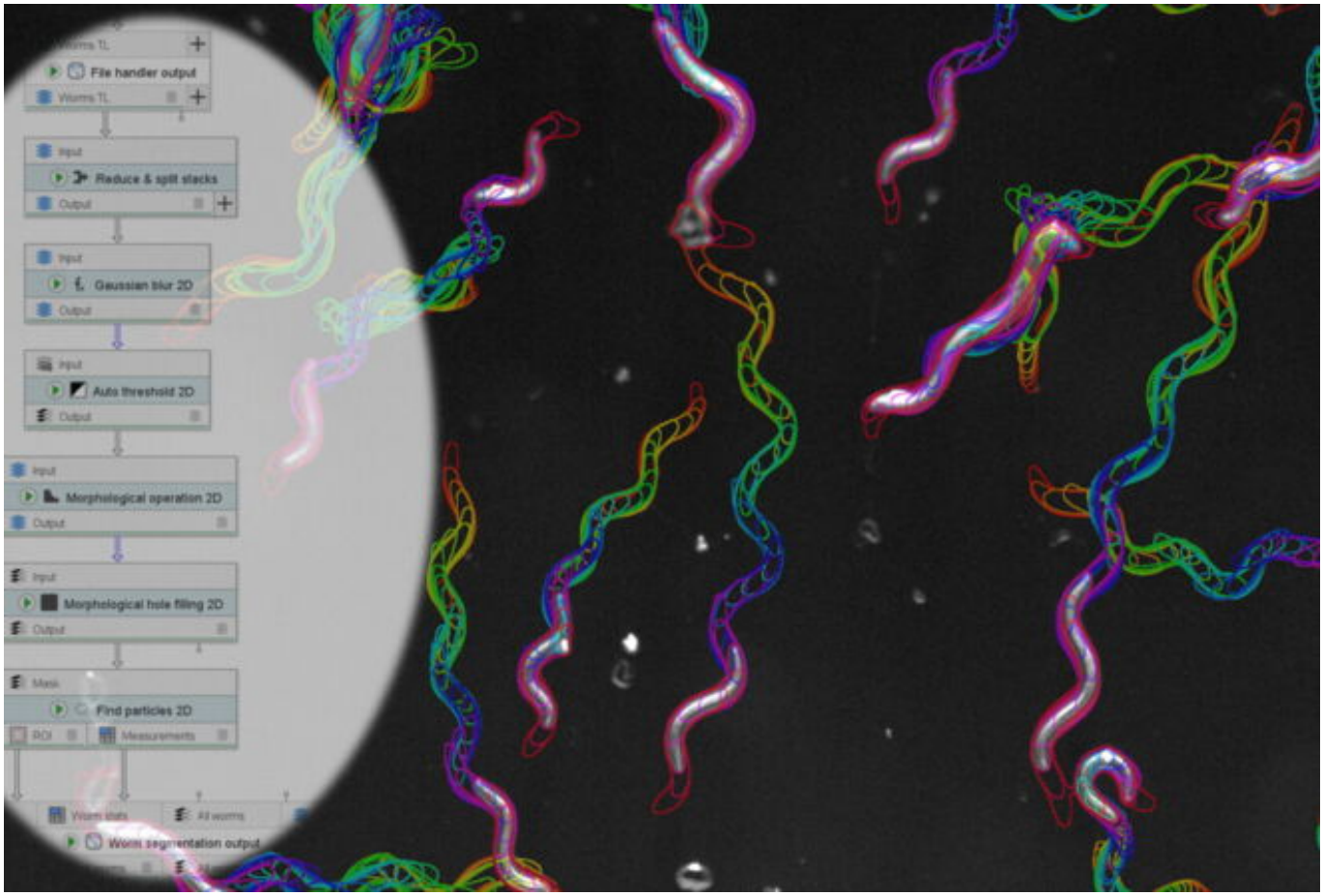

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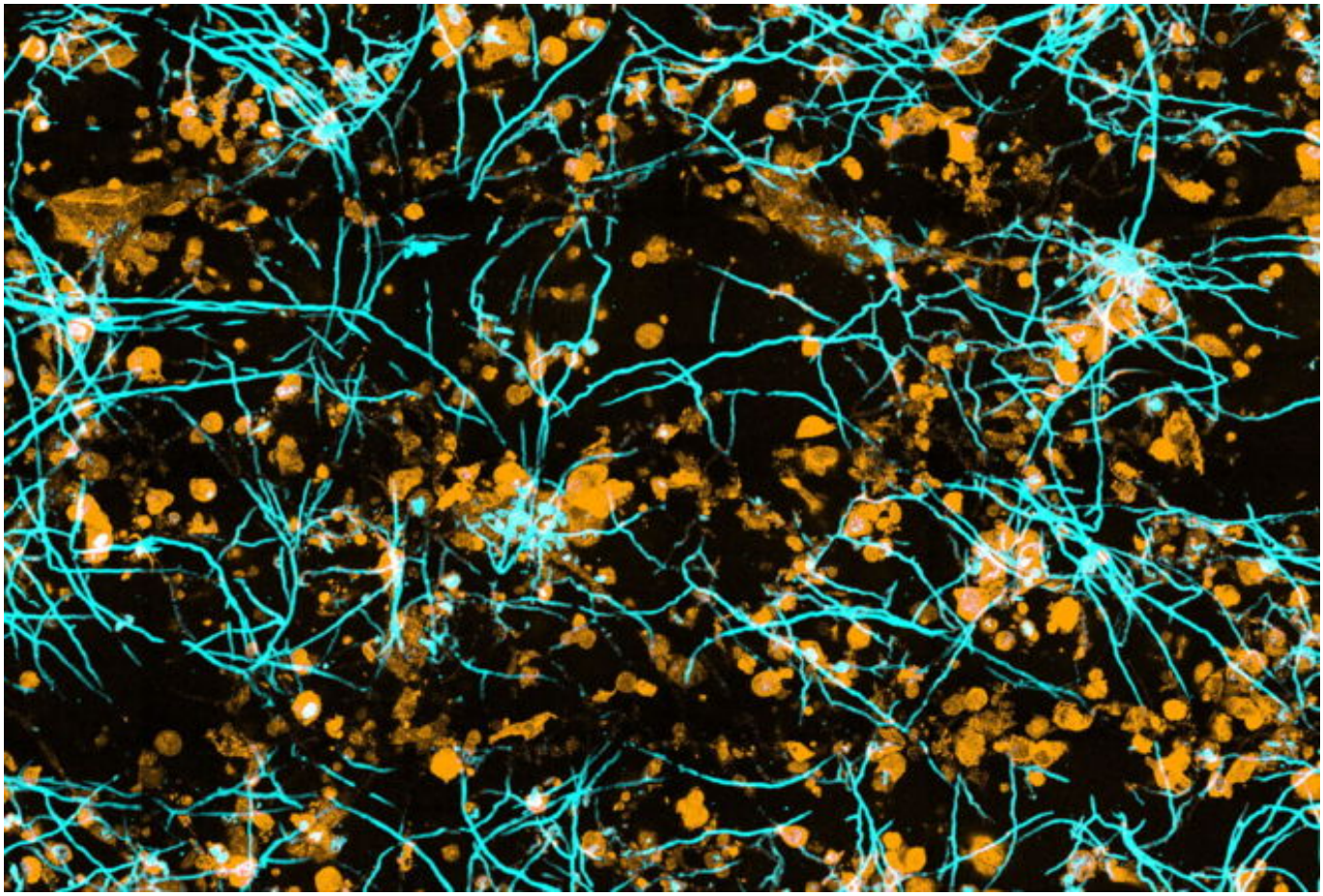

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