

Dr Daniel Zicha

Senior research

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Daniel Zicha has been working as senior researcher at CEITEC - Central European Institute of Technology, Brno University of Technology, Czech Republic. His main interest is in developments of dry-mass profiling microscopy based on phase measurements for biomedical research and personalised treatment of cancer. He received his MSc from the Czech University of Technology, Prague with thesis on "Expert system for genetic diagnosis". He then pursued a PhD project on "Artificial intelligence methods in tumour cell biology" at the Institute of Molecular Genetics, Czech Academy of Sciences. His subsequent postdoctoral research post, focussing on chemotaxis [Zicha, D. et al. (1991) A new direct viewing chemotaxis chamber. *J Cell Sci* 99 769-75] and development of interference microscopy [Dunn, G. A., and Zicha, D. (1997) Using the DRIMAPS system of interference microscopy to study cell behavior. In *Handbook of Cell Biology* (2nd edition), J. E. Celis (ed.), Academic Press Inc.], was held at Medical Research Council, Muscle and Cell Motility Unit, King's College, London, UK. Daniel Zicha was head of Light Microscopy at Imperial Cancer Research Fund/ Cancer Research UK London Research Institute/ the Francis Crick Institute, Lincoln's Inn Fields Laboratory for over 17 years. He has been involved in development of novel quantitative light microscopy techniques such as "Fluorescence Localisation After Photobleaching" [Zicha, D. et al. (2003) Rapid actin transport during cell protrusion. *Science* 300 142 5] and has experience with metastasis research [Cavanna, T., Pokorná, E., Veselý, P., Gray, C., and Zicha, D. (2007) Evidence for protein 4.1B acting as a metastasis suppressor. *J Cell Sci* 120 606-16]. Daniel Zicha has been a member of the editorial board of the *Journal of Microscopy* since 2007.