



## 2019 NOMINEE BIOSKETCH FORM

NAME	<b>Stanislav Katina</b>
PRESENT POSITION	<b>Head of Applied Mathematics and Statistics</b> (Masaryk University, Brno, Czech Republic) <b>Honorary Research Fellow</b> (The University of Glasgow, Glasgow, Scotland, UK)
DEGREES	Associate Professor, Habilitated Docent ( <b>Doc.</b> ), Probability and Mathematical Statistics <b>Ph.D.</b> , Probability and Mathematical Statistics Doctor of Natural Science ( <b>RNDr.</b> ), Math, Mathematical Statistics, Actuarial Math Doctor of Pedagogy ( <b>PaedDr.</b> ), Biology Education Master dgr ( <b>MSc.</b> ), Probability and Mathematical Statistics, Actuarial Math Master dgr ( <b>MSc.</b> ), Math and Biology Education
MAIN RESEARCH INTERESTS	<ol style="list-style-type: none"> <li>1. Statistical shape and image analysis of human face and brain</li> <li>2. Spatio-temporal modelling of EEG and ECG</li> <li>3. Biostatistical modelling, visualisation, implementation of algorithms to R</li> <li>4. Survival analysis, (semi)parametric and nonparametric models, smoothing methods</li> <li>5. Design of clinical studies (Phase I to Phase III)</li> </ol>
SELECTED PUBLICATIONS IN CLINICAL BIOSTATISTICS (LIMIT TO 5)	<ol style="list-style-type: none"> <li>1. Novak P, R Schmidt, E Kontsekova, N Zilka, B Kovacech, R Skrabana, Z Vince-Kazmerova, <b>S Katina</b>, et al. Safety and immunogenicity of the tau vaccine AADvac1 in patients with Alzheimer's disease: a randomised, double-blind, placebo-controlled, phase 1 trial. <i>Lancet Neurology</i>, 2016, 17(2), 1-12.</li> <li>2. Waddington JL, <b>S Katina</b>, CMP O'Tuathaigh, AW Bowman. Translational Genetic Modelling of 3D Craniofacial Dysmorphology: Elaborating the Facial Phenotype of Neurodevelopmental Disorders Through the "Prism" of Schizophrenia. <i>Current Behavioral Neuroscience Reports</i>, 2017, 4(4), 322-330.</li> <li>3. Bowman AW, <b>S Katina</b>, J Smith, D Brown. Anatomical curve identification. <i>Computational Statistics &amp; Data Analysis</i>, 2015, 86(6), 52-64.</li> <li>4. Prasad S, <b>S Katina</b>, RJ Hennessy, KC Murphy, AW Bowman, JL Waddington. Craniofacial Dysmorphology in 22q11.2 Deletion Syndrome by 3D Laser Surface Imaging and Geometric Morphometrics: Illuminating the Developmental Relationship to Risk for Psychosis. <i>American Journal of Medical Genetics Part A</i>, 2015, 167(3), 529-536.</li> <li>5. Riečanský I, T Kaspárek, J Rehulová, <b>S Katina</b>, R Prikryl. Aberrant EEG responses to gamma-frequency visual stimulation in schizophrenia. <i>Schizophrenia Research</i>, 2010, 124 (1-3), 101-109.</li> </ol>
PAST AND CURRENT PARTICIPATION IN ISCB ACTIVITIES	<b>ISCB member</b> since 2002 <b>ExCom member</b> 2015–2018 <b>SiRA member</b> since 2015, <b>SiRA Chair</b> since 2017 <b>NatG member</b> since 2009, <b>NatG secretary</b> 2009–2012, deputy secretary 2013–2018
GOALS AND VISION FOR THE ISCB	To be able to make strong connection between ExCom, NatG and other SCs, and local organizing committee of ISCB annual conferences, to help in reaching biostatisticians from Central and Eastern Europe and other regions, and set up rules and standards for their development, education and funding; to help in biostatistics education in Central and Eastern Europe at university level; to promote data management and biostatistics standards between medical and clinical researchers.