Publications
Alexander Gammerman

Selected Publications

Books


Special Issues of Journals


**Refereed Book Chapters, Journal Papers, Conference Proceedings**


3


74. Ola Blixt, Deanna Bueti, Brian Burford, Diane Allen, Sylvain Julien, Michael Hollingsworth, Alex Gammerman, Ian Fentiman, Joyce Taylor-Papadimitriou and Joy M. Burchell. "Autoantibodies to aberrantly glycosylated MUC1 in early stage breast cancer are associated with a better prognosis". Accepted for publication in *Breast Cancer Research Journal* (MS : 1027144559463124).

75. John Francis Timms, Usha Menon, Dmitry Devetyarov, Ali Tiss, Stephane Camuzeaux, Aleksandra Gentry-Maharaj, Zhiyuan Luo, Alex


77. A. Lambrou, H. Papadopoulos and A. Gammerman. Evolutionary Conformal Prediction for Breast Cancer Diagnosis. 9th International Conference on Information Technology and Applications in Biomedicine (ITAB’09).


81. D.Devetyarov, I. Nouretdinov and A.Gammerman. Confidence Machine and its application to Medical Diagnosis; Int.Conf.on Biological Computing (BioComp09), July 2009, USA.

82. A. Lambrou, H. Papadopoulos, A. Gammerman Reliable Confidence Measures for Medical Diagnosis With Evolutionary Algorithms IEEE Transactions on Information Technology in Biomedicine. 02/2011; DOI:10.1109/TITB.2010.2091144


9


139. A. Gammerman and A. Bellotti. Emily - a minimal length encoding system. In *Procs of IFCS-96*, Kobe, Japan, 1996.


171. A. Gammerman. Взаимодействие фоторецепторов энергетической и регуляторной систем высших растений. Биокибернетика, бионика, моделирование биосистем. Труды Украинской республиканской конференции, Киев, 1970.


174. А. Гаммерман. Аналитическое исследование регуляторной системы фотоморфогенеза.

175. А. Гаммерман. Аналитическое исследование динамики переходов форм фитохрома при селективном экранировании. Математические модели в агрофизике и биологии. Труды по агрофизике, Ленинград, 1971.

176. А. Гаммерман. Аналитическое исследование регуляторной системы фотоморфогенеза. Моделирование структурно-функциональных организмов биологических систем. Москва-Дубна, 1972


181. А. Гаммерман и Л. Фукшанский. Математическая модель фитохрома - регулятора фотоморфогенетических процессов у растений. Журнал Онтогенез, т.5, 2, 1974.

182. Гаммерман А. Я. Корреляционная функция между процессами в фитохроме и фотоморфогенетическими реакциями в растениях. Доклады Академии Наук СССР, т.226, 4, 1976.

Selected Technical Reports


194. Data Analysis I - Comparison of Protocols, Version 2; (joint work with Ilia Nouretdinov, Brian Burford, Zhiyuan Luo, Alexey Chervonenkis and Volodya Vovk), June 2006;


http://www.clrc.rhul.ac.uk/projects/Private/7bmReport.pdf


199. UKOPS Supplementary results I; 2008. 
http://clrc.rhul.ac.uk/projects/proteomic3.htm

http://www.clrc.rhul.ac.uk/projects/Private/UKOPS-SUP2-CLRC-08-01.pdf


Selected Grants


- Biotechnology and Biological Sciences Research Council (BBSRC), grant 111/BIO14428, PI. “Pattern Recognition Techniques for Gene and Promoter Identification and Classification in Plant Genomic Sequences” (with J. Hancock and V. Solovyev), £145,210*, 2002–2005.


- QinetiQ grant: “Automated Target Identification”. £47,000 2006–2007. (total funding £47,000).

- Research Promotion Foundation of Cyprus. “ASPIDA project: Development of New Conformal Prediction Methods with Applications in Medical

- Engineering and Physical Sciences Research Council “Practical competitive prediction” (with V. Vovk and Y. Kalnishkan), co-PI, £406,000, 2007-2010.


- Medical Research Council (MRC) Application of conformal predictors to functional magnetic resonance fMRI imaging research; PI, £85,581, 2009–2010.

- Royal Society grant, "Trace Detection with Confidence for Odor Capture Hybrid Sensor System co-PI, (with Z.Luo), £7,800, 2009-2010.


- BBSRC (and EU) programme: Living with uninvited guests: comparing plant and animal responses to endocytic invasions (ERASysBio). BBSRC project (with VLA, SGUL, Spain, Germany and France); co-PI; over £700,000 for RHUL part, 2010–2013. (total funding 5,200 000 euros).


- Thales UK; Development of automated methods for helping detection of anomalous behaviour. £85,000; 2012-2015.

- EPSRC: Mining the Network Behaviour of Bots (with L.Cavalarro, V.Vovk, H.Shanahan and Z.Luo); £680,623 from 1-06-13 for 3 years until 2016.


Other publications


Patents

Data classification apparatus and method thereof (with V. Vovk).