

Davide Cangelosi, Ph.D

PERSONAL INFORMATION

Birth date: September, 20 1980

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ResearcherID: K-2627-2016

H-index: 3

PUBLICATIONS

Cangelosi D, Pelassa S, Morini M, Conte M, Bosco MC, Eva A and Varesio L. Artificial Neural Network classifier predicts neuroblastoma patients' outcome. *BMC Bioinformatics* 2016 , 17(Suppl. 12):347.

Amoroso F, Capece M, Rotondo A, **Cangelosi D**, Ferracin M, Franceschini A, Raffaghello L, Pistoia V, Varesio L, Adinolfi E. The P2X7 receptor is a key modulator of the PI3K/GSK3 β /VEGF signaling network: evidence in experimental neuroblastoma. *Oncogene*; 34(41):5240-51 2015

Cangelosi D, Muselli M, Paroodi S F, Blengio F, Becherini P, Versteeg R, Conte M, and Varesio L. Use of Attribute Driven Incremental Discretization and Logic Learning Machine to build a prognostic classifier for neuroblastoma patients. *BMC Bioinformatics* 2014, 15(Suppl 4): S4.

Cangelosi D, Blengio, F., Versteeg, R., Eggert, A., Garaventa, A., Gambini, C., Conte, M., Eva, A., Muselli, M. and Varesio, L. Logic Learning Machine creates explicit and stable rules stratifying neuroblastoma patients. *BMC Bioinformatics* 2013, 14 (Suppl 7): S12.

Cangelosi, D., Fabbiano, S., Felicioli, C., Freschi, L., Marangoni, R.. Quick Direct-method Controlled (QDC): a simulator of metabolic experiments. *EMBnet journal*, 19(1), 2013.

Cangelosi, D. SSALeaping: Efficient leap condition based direct method variant for the stochastic simulation of chemical reacting system. In *SIMUTools '10: Proceedings of the 3rd International ICST Conference on Simulation Tools and Techniques*, pages 1–10, 2010.

Battaglia, G., **Cangelosi, D.**, Grossi, R. and Pisanti, N.. Masking patterns in sequences: A new class of motif discovery with don't cares. *Theor. Comput. Sci.*, 410(43):4327–4340, 2009.

Dittamo C* and **Cangelosi D***. Optimized parallel implementation of Gillespie's first reaction method on graphics processing units; *Proceedings of the International Conference on Computer Modeling and Simulation*, 2009. ICCMS'09. Macau, China: UK Simulation Society; 2009. p. 156-61.

☐ Both authors contributed equally to this work.

MAIN PRESENTATIONS

Personalized assessment of response to induction chemo-therapy in patients with high-risk Neuroblastoma, **BITS annual meeting**, Cagliari, Italy, 2017

Clinical bioinformatics: from mathematical models to clinical therapies, Neurita Meeting, **CISEF Villa** Quartara, Genoa, Italy, 2015

Tumor hypoxia identifies neuroblastoma patients at Ultra high-risk of disease, **AIEOP** Conference, Lecce, Italy, 2015

Identification and validation of a novel gene signature predicting neuroblastoma patients' outcome and measuring tumor hypoxia, Course on Neuroblastoma: clinical discussions and research, **G. Gaslini Institute**, Genoa, Italy, 2014

Logic Learning Machine creates explicit and stable rules stratifying neuroblastoma patients, Giornata Ligure di Bioinformatica (GLiB2013), **Casa Paganini**, Genoa, Italy, 2013

Logic Learning Machine creates explicit and stable rules stratifying neuroblastoma patients, **ENCCA/NRC** meeting, Academic Medical Center, Amsterdam, The Netherland, 2013

Data discretization and Logic Learning Machine defined a novel predictor tool improving Cancer Patients' Outcome prediction, Tenth annual meeting of the Bioinformatics Italian Society (**BITS2013**), University of Udine, Udine, Italy, 2013

Translational of a robust, Biology-Driven, Prognostic classifier of Cancer Patients' Outcome into Clinically Relevant Rules, Ninth annual meeting of the Bioinformatics Italian Society (**BITS2012**), University of Catania, Catania, Italy, 2012

Simulating Signaling Pathways: a Systems Biology approach, **G. Gaslini Institute**, Genoa, Italy, 2011

Modeling and Simulating complex cellular phenomena, Department of Biology at **Humboldt University**, Berlin, Germany, 2011

A systems biology approach to qualitative models validation in signaling pathways, Workshop on Advanced Modeling and Simulation Techniques, **ICSB** 2010 conference, Edinburgh, UK, 2010

SSALeaping: Efficient Leap Condition Based Direct Method Variant for the Stochastic Simulation of Chemical Reacting Systems, 3rd International ICST Conference on Simulation Tools and Techniques (**SIMUTools2010**), Torremolinos, Spain, 2009

Musical interpretation of L-systems, Bio-inspired models of computation, Department of Computer Science, **University of Pisa**, Seminars cycle, Pisa, 2009

Probabilistic Model Checking in Systems Biology, Department of Computer Science, **University of Pisa**, Seminars cycle, PhD programme, Pisa, 2009

NVIDIA CUDA vs SkeTo: abstractions, programming complexity, and performance, Department of Computer Science, **University of Pisa**, Seminars cycle, PhD programme, Pisa, 2008

A novel Bayesian application in Systems Biology, Department of Computer Science, **University of Pisa**, Seminars cycle, PhD programme, Pisa, 2008

GRANTS

- 2017 BITS 2017 Annual Meeting, *Travel grant winner*
- 2014 BITS 2014 Annual Meeting, *Travel grant winner*
- 2012 BITS 2012 Annual Meeting, *Travel grant winner*

HONORS AND DISTINCTIONS

- 2014 *Best Poster Presentation*, Gennaro Sansone Award, Associazione Italiana Ematologia e Oncologia Pediatrica, AIEOP Annual Meeting, Genoa, Italy

PROFESSIONAL MEMBERSHIPS

- 2014-Present Bioinformatics Italian Society, *Full Member*
- 2012-Present Liguria Bioinformatics Network Group, *Full Member*

PROFESSIONAL ACTIVITIES

- 2016 *Organizer*, Special session on Clinical bioinformatics: from computational models to clinical answers, BITS 2016 Meeting, University of Salerno, Fisciano, Italy
- 2007 *Member of the Local Committee*, NETTAB 2007 Conference, Department of Computer Science, University of Pisa, Pisa, Italy

EDUCATION

- 2014-Present *Participant*, Course on Clinical discussion and research, **G. Gaslini Institute**, Genoa, Italy
- 2014 *Participant*, Course on R2: Genomic analysis and visualization platform, **Academic Medical Center**, Amsterdam, The Netherlands
- 2012 *Participant*, Course on Functional Genomics in Pediatric Oncology, **CISEF Villa Quartara**, Genoa, Italy
- 2007-2010 *Ph.D. in Bioinformatics*. On improving stochastic simulation. **University of Pisa**, Pisa, Italy
- 2008 *Participant*, 8th International School on Formal Methods for the Design of Computer, Communication and Software Systems: Computational Systems Biology, Bertinoro, Italy
- 2007 *Participant*, Lipari International School on Bioinformatics and Computational Biology: Advanced Computational Proteomics: Structure, Imaging and Control, Eolie Islands, Italy
- 2004-2006 *Master degree in Computer Science*. Efficient Motif Construction with wild card symbols. **University of Pisa**, Pisa, Italy (103/110)
- 2000-2004 *Bachelor degree in Computer Science*. Implementation of fast interfaces for XML documents search engine. **University of Pisa**, Pisa, Italy (100/110)

RESEARCH EXPERIENCE

- 2012-Present *Postdoctoral researcher*, Laboratory of Molecular Biology. **G. Gaslini Institute**, Genoa, Italy.
Principal Investigator: Dr. Luigi Varesio
- 2010-2012 *Postdoctoral researcher*, Department of Computer Science. **University of Pisa**, Pisa, Italy
Principal Investigator: Dr. Roberto Marangoni and Prof. Pierpaolo Degano
- 2007-2010 *Ph.D. student*, Department of Computer Science. **University of Pisa**, Pisa, Italy
Principal Investigator: Dr. Roberto Marangoni and Prof. Pierpaolo Degano

TEACHING EXPERIENCE

- 2010 *Graduate Teaching Assistant*, Course of Informatics 1 and 2, **University of Pisa**, Pisa, Italy

SKILLS\TRAINING

Technical skills: Mastering Office programs/ R programming/ RULEX/ WEKA/ GSEA/ STRING-DB/ CYTOSCAPE/ DIANA/ GENEPATTERN/ C++ programming/ PHP/ Javascript/ XTENS 2.0/

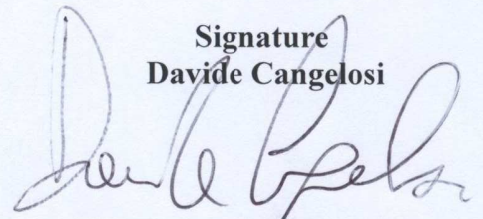
Creative skills: Advanced multi-instrumentalist/ Actor/ Performer

Language skills: Good English writing, reading and speaking

Training: Participant at the PHD+: Research valorization, innovation and entrepreneurial mindset course, March 2011

Date
April, 24 2018

Signature
Davide Cangelosi



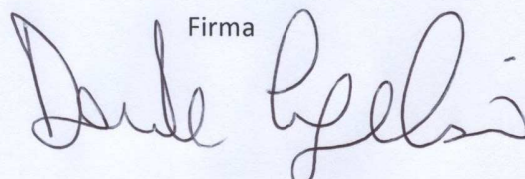
Il sottoscritto Cangelosi Davide dichiara che in osservanza a quanto previsto dal D.P.R. n.445/2000 quanto indicato nel curriculum, corrisponde a verità, consapevole delle sanzioni penali in caso di attestazioni false o non veritiere.

Il sottoscritto Cangelosi Davide consente l'utilizzo ed il trattamento dei dati personali per fini connessi all'espletamento della presente procedura in osservanza a quanto previsto dal Decreto Legislativo n. 196/2003.

Data

24 Aprile 2018

Firma

A handwritten signature in dark ink, appearing to read 'Davide Cangelosi', written in a cursive style.