

**Current Positions**

- 2019 – **Researcher**  
Department of Cellular, Computational and Integrative Biology (CIBIO)  
& Department of Mathematics, **University of Trento**, Italy
- Consultant – VP AI-Systems Biology**  
ThinkNode Life Science Inc., San Diego, California, USA

**Previous Positions**

- 2014 – 2019 **Assistant Professor**  
Department of Mathematics, **University of Trento**, Italy
- 2009 – 2017 **Researcher**  
**The Microsoft Research - University of Trento**  
Centre for Computational and Systems Biology, Italy
- 2006 - 2009 **Research Associate**  
Department of Computing, **Imperial College** &  
Centre for Integrative Systems Biology at Imperial College
- 2005 – 2006 **Teaching Assistant, Dresden University of Technology**
- 2001 – 2002 *Institute for Artificial Intelligence*  
*Teaching: “Logik” course, taught in German language*
- 2000 **Software Developer**, Hybris GmbH, Dresden, Germany

**Qualifications**

- 2002 – 2006 **PhD Computer Science, Dresden University of Technology**, Germany  
*Grant: “DFG Graduiertenkolleg 446” at the University of Leipzig*
- 1999 – 2002 **MSc Computer Science, Dresden University of Technology**, Germany  
*Grade: 1.5 (excellent), thesis published at the KI’03 Conference, LNCS, Springer*
- 1994 – 1999 **BSc Mathematics, Hacettepe University**, Ankara, Turkey

**Grants**

- 2020 *ASSEMBLE Plus* Transactional Access program, project leader  
Understanding Coral Colony Morphology via Stochastic Modelling (UNICOMS)
- 2017 – 2019 *European Union Horizon 2020 - Living Architecture*  
Project leader: modelling of phosphate economy in *E. coli*, **University of Trento**  
*PI: Prof. Martin Hanczyc 217.218,75 € (3.216.555 € to 6 institutions).*
- 2006 – 2009 *Biotechnology and Biological Sciences Research Council*  
Post-doctoral research, CISBIC, **Imperial College**, UK  
*PI: Prof. L. Cardelli & Prof. P. Gardner, ca. 150.000 £*
- 2002 – 2005 *German Research Foundation PhD Studentship, “DFG Graduiertenkolleg 446”*  
**University of Leipzig & Dresden University of Technology**, Germany  
*PI: Prof. G. Brewka, ca. 60.000 €*
- 2004 **Protheo Group, LORIA**, Nancy, France, November- December, 2004  
German Academic Exchange Service, *Visiting researcher grant*
- 2001 **University of Amsterdam**  
Institute for Logic, Language and Computation, January - July, 2001  
German Academic Exchange Service, *Exchange student grant*

## Supervision of Research Students

- 2019 – Elena Righetti - MSc Thesis, **University of Trento**, Dep. of Mathematics  
Bacterial response mechanisms to changes in external phosphate levels.
- 2015 – 2018 Cansu Uluseker - PhD Thesis, grade: *cum laude* (with honors), 15.10.2018.  
**University of Trento**, Dep. of Cellular, Comp. and Integrative Biology.  
*Thesis*: A systems and synthetic biology framework for regulatory systems.  
Researcher at the *University of Stavanger*.
- 2014 – 2017 Federico Reali - PhD Thesis, grade: *cum laude* (with honors), 24.3.2017.  
**University of Trento**, Department of Mathematics. *Thesis*: Dynamical models for diabetes: insights into insulin resistance and type 1 diabetes.  
Researcher at *The Microsoft Research - University of Trento COSBI*
- 2016 Andrea Giachino - BSc Thesis, grade: *cum laude* (with honors), 26.9.2016.  
Centre for Integrative Biology, **University of Trento**. *Thesis*: Intrinsic Regulation of Actin Steady-State. PhD student at the Newcastle University.

## Teaching Activities

- 2014 – *Assistant Professor*. Preparation and teaching of a course each semester.  
Systems Biology (Italian), Modelling and Simulation of Biological Systems,  
Biological Networks, Biostatistics, Advanced Topics in Biomathematics  
**University of Trento**, Italy
- 2006 – 2009 *Teaching Assistant*. Assisting tutorials for two hours per week per semester.  
Formal Software Verification, Robotics, Programming, Bioinformatics.  
**Imperial College**, UK
- 2005 – 2006 *Teaching Assistant*. Four hours per week held in German language.
- 2001 – 2002 Logic, **Dresden University of Technology**

## Miscellaneous

- 2020 Topical Board member of MDPI Journal /Biology/  
Editor for the special issue *Computational Methods in Synthetic Biology*
- 2014 – 2019 Faculty member, Organiser of bi-weekly modelling seminars  
Department of Mathematics, University of Trento, Italy
- 2006 – 2009 Organiser of the Internal Seminar  
CISBIC, Imperial College, UK
- 2002 – 2005 Speaker of the Graduiertenkolleg 446 PhD Programme  
University of Leipzig, Germany
- 2000 – 2002 Student representative of the Examination Commission  
International Masters Programme in Computational Logic  
Dresden University of Technology, Germany.

**Reviewer for Journals** Logical Methods in Computer Science, Adaptive Behaviour, Bioinformatics, Nucleic Acid Therapeutics, Journal Of Computational Physics, BMC Bioinformatics, Artificial Life Journal, Natural Computing, Journal of Artificial Intelligence Research, BMC Systems Biology, Transactions on Computational Systems Biology, Science of Computer Programming, Formal Aspects of Computing, Theoretical Computer Science, Genetic Programming and Evolvable Machines, Molecular BioSystems, Adaptive Behavior, PLoS Computational Biology.

## Languages

English (*fluent*), German (*fluent*), Italian (*fluent*), Dutch (*beginner*), Turkish (*mother tongue*)

**Journal Papers.** \*: corresponding author, †: alphabetical order

Cansu Uluşeker, Jesús Torres-Bacete, José L. García, Martin M. Hanczyc, Juan Nogales, Kahramanoğulları, O.\*, 2018,  
*Quantifying dynamic mechanisms of auto-regulation in Escherichia coli with synthetic promoter in response to varying external phosphate levels*,  
Scientific Reports, 9 (2076).

Realı, F., M. Morine, M., Kahramanoğulları, O., Raichur, S. H. Schneider, D. Crowther, C. Priami, 2017,  
*Mechanistic interplay between ceramide and insulin resistance*,  
Scientific Reports, 7 (41231).

Kahramanoğulları, O.\*, Cardelli L., 2015,  
*Gener: A minimal programming module for chemical controllers based on DNA strand displacement*, Bioinformatics, 31(17).

Kahramanoğulları, O., 2014,  
*Interaction and Depth against Nondeterminism in Proof Search*,  
Logical Methods in Computer Science, 10 (2:5).

Kahramanoğulları, O.\*, Lynch J., 2013,  
*Stochastic Flux Analysis of Chemical Reaction Networks*,  
BMC Systems Biology, 7:133.

Kahramanoğulları, O.\*, Fantaccini G., Lecca P., Morpurgo D., Priami C., 2012,  
*Algorithmic modeling quantifies the complementary contribution of metabolic inhibitions to gemcitabine efficacy*, PLoS ONE, 7(12).

Kahramanoğulları, O.\*, Cardelli L., 2012,  
*An Intuitive Modelling Interface for Systems Biology*,  
International Journal of Software and Informatics. 7:4.

Kahramanoğulları, O., Lynch J., Jordan F., 2011,  
*CoSbiLab LIME: a language interface for stochastic dynamical modelling in ecology*,  
Environmental Modelling and Software, 26:685-687.

Cardelli, L., Caron, E., Gardner, P., Kahramanoğulları, O.\*†, Phillips A., 2009,  
*A Process Model of Rho GTP-binding Proteins*,  
Theoretical Computer Science, 410:3166-3185.

Gurry T. and Kahramanoğulları, O., Endres R., 2009,  
*Biophysical Mechanism for Ras-Nanocluster Formation and Signaling in Plasma Membrane*,  
PLoS ONE, 4.

Kahramanoğulları, O., 2009,  
*On Linear Logic Planning and Concurrency*,  
Information and Computation, 207(11):1229-1258.

Kahramanoğulları, O., 2008,  
*System BV is NP-complete*,  
Annals of Pure and Applied Logic, 152(1-3):107-121.

## Books and Chapters

Kahramanoğulları, O., Vaggi F., Phillips A., 2012,  
*Process Modeling and Rendering of Biochemical Structures: Actin*,  
Biomechanics of cells and tissues: experiments, models and simulations,  
Lecture Notes in Computational Vision and Biomechanics, Springer.

Kahramanoğulları, O., 2012,  
*Nondeterminism and Language Design in Deep Inference*,  
*A Proof Theoretic Approach to Logic Programming*,  
Lambert Academic Publishing, ISBN 978-3-659-13475-3.

Kahramanoğulları, O., 2012,  
*Process algebra models in biology: the case of phagocytosis*,  
Bioinformatics & Computational Systems Biology:  
Recent Advances and Applications, IGI Global.

## Published Conference and Workshop Papers

Kahramanoğulları, O., Lorenzo Bramanti, Maria Carla Benedetti, 2019,  
*Stochastic Mechanisms of Growth and Branching in Mediterranean Coral Colonies*.  
Proc. of 8th International Conference on the Theory and Practice of Natural Computing,  
TPNC 2019, Kingston, Canada, December 9-11, 2019, LNCS, Springer.

Kahramanoğulları, O., Cansu Uluşeker, Martin M. Hanczyc, 2019,  
*Stochastic Mechanisms of Information Flow in Phosphate Economy of Escherichia Coli*.  
Proc. of the 3rd International Conference on Numerical Computation: Theory and Applications,  
NUMTA 2019, Le Castella, Italy, June 15-21, 2019, LNCS, Springer.

Kahramanoğulları, O., 2019,  
*On Quantitative Comparison of Chemical Reaction Network Models*.  
Proceedings of 3rd Workshop on Program Equivalence and Relational Reasoning.  
PERR 2019, Prague, April 6, EPTCS.

Kahramanoğulları, O., 2019,  
*Enumerating Dominant Pathways in Biological Networks by Information Flow Analysis*.  
Proceedings of 4th International Conference on Algorithms for Computational Biology  
AlCoB 2019, Berkley, USA, June 28-30, LNCS, Springer.

Cansu Uluşeker, Martin M. Hanczyc, Kahramanoğulları, O., 2018,  
Mechanisms of Switching Response to External Phosphate Levels in Escherichia coli.  
Artificial Life Conference Proceedings, 23-27 July, 2018, Tokyo.

Cansu Uluşeker, Jesús Torres-Bacete, José L. García, Martin M. Hanczyc,  
Juan Nogales, Kahramanoğulları, O., 2017,  
A Dynamic Model of the Phosphate Response System with Synthetic Promoters in E. coli.  
Proc. of the International Conference on Artificial Life, 4-8 September, 2017, Lyon.

Kahramanoğulları, O., 2017,  
*Quantifying Information Flow in Chemical Reaction Networks*.  
Proceedings of 4th International Conference on Algorithms for Computational Biology  
AlCoB 2017, Aveiro, Portugal, June 5-6, LNCS, Springer.

Kahramanoğulları, O., 2017,  
*Deep Proof Search in MELL*.  
Proceedings of Logic for Programming, Artificial Intelligence, and Reasoning,  
21st International Conference, Proc. of LPAR'17, Maun Botswana, May 7-12.

- Kahramanoğlu, O., 2016,  
*Simulating Stochastic Dynamic Interactions with Spatial Information and Flux.*  
 Proc. of 5th International Conference on the Theory and Practice of Natural Computing,  
 TPNC 2016, Sendai, Japan December 12-13, 2016, LNCS, Springer.
- Kahramanoğlu, O., 2016,  
*True Concurrency of Deep Inference Proofs.*  
 Proceedings of 23rd Workshop on Logic, Language, Information and Computation,  
 WoLLIC 2016, August 16-19, 2016, Puebla, Mexico, LNCS 9803, Springer.
- Zunino R., Nikolic D., Priami C., Kahramanoğlu, O., Priami C., Schiavinotto T., 2015,  
*ℓ: An Imperative DSL to Stochastically Simulate Biological Systems.*  
 Proceedings of Programming Languages with Applications to Biology and Security 2015,  
 LNCS 9465, Springer.
- Kahramanoğlu, O., Lynch J., Priami C., 2014,  
*Algorithmic Systems Ecology: Experiments on Multiple Interaction Types and Patches.*  
 Proceedings of InSuEdu 2012, LNCS 7991, Springer.
- Kahramanoğlu, O., Jordan F., Priami C., 2011,  
*Composability: Perspectives in Ecological Modeling.*  
 Proceedings of ANB 2011, LNCS 6479, Springer.
- Lecca P. and Kahramanoğlu, O., Morpurgo D., Priami C., Soo R. A., 2011,  
*Modelling and estimating dynamics of tumor shrinkage with BlenX and KInfer.*  
 13th International Conference on Modelling and Simulation,  
 March 30 - April 1, Cambridge, UKSim 2011, IEEE.
- Kahramanoğlu, O., 2010,  
*Flux Analysis in Process Models via Causality.*  
 3rd Workshop "From Biology To Concurrency and back".  
 Proceedings of FBTC'10, March 27, 2010, Paphos, Cyprus, EPTCS 19.
- Kahramanoğlu, O., Cardelli L., Caron E., 2009,  
*An Intuitive Automated Modelling Interface for Systems Biology.*  
 Fifth Workshop on Developments in Computational Models  
 Computational Models From Nature., Rhodes, Greece, Proceedings of DCM'09, EPTCS 9.
- Cardelli, L., Caron, E., Gardner, P., Kahramanoğlu, O., Phillips A., 2009,  
*A Process Model of Actin Polymerisation,*  
 Proceedings of the workshop From Biology To Concurrency and back, FBTC'08,  
 Reykjavik, Volume 229 of ENTCS, Elsevier.
- Kahramanoğlu, O., 2008,  
*On Linear Logic Planning and Concurrency,*  
 Proceedings of the 2nd International Conference on Language and Automata Theory  
 and Applications, LATA'08, Tarragona, Spain, Volume 5196 of LNCS, Springer.
- Kahramanoğlu, O., Cardelli, L., Gardner, P., 2008,  
*A Process Model of Rho GTP-binding Proteins in the Context of Phagocytosis,*  
 Proceedings of the workshop From Biology To Concurrency and back, FBTC'07,  
 Lisbon, Portugal, Volume 194 of ENTCS, Elsevier.

- Kahramanoğlu, O., 2008,  
*Maude as a Platform for Designing and Implementing Deep Inference Systems*,  
 Proceedings of the Eighth International Workshop on Rule-Based Programming,  
 RULE'07, Paris, France, Volume 219 of ENTCS, Elsevier.
- Kahramanoğlu, O., 2006,  
*Reducing Nondeterminism in the Calculus of Structures*,  
 Proceedings of the 13th International Conference on Logic for  
 Programming Artificial Intelligence and Reasoning, LPAR'06,  
 Phnom Penh, Cambodia, Volume 4246 of LNCS, Springer.
- Kahramanoğlu, O., 2006,  
*System BV is NP-complete*,  
 Proceedings of the 12th Workshop on Logic, Language, Information and Computation,  
 WoLLIC'05, Florianapolis, Brazil, Volume 143 of ENTCS, Elsevier.
- Kahramanoğlu, O., Moreau P-E., Reilles A., 2005,  
*Implementing Deep Inference in TOM*,  
 Proceedings of the Workshop on Structures and Deduction 2005, SD'05,  
 satellite workshop of ICALP 2005, July 11 - 15, Lisbon, Portugal.
- Kahramanoğlu, O., 2005,  
*Towards Planning as Concurrency*,  
 Proceedings of the IASTED International Conference on  
 Artificial Intelligence and Applications, AIA'05, Innsbruck, Austria, Acta Press.
- Kahramanoğlu, O., 2004,  
*System BV without the Equalities for Unit*,  
 Proceedings of the 19th Int. Symposium on Computer and Information Sciences,  
 Kemer, Turkey, Volume 3280 of LNCS, Springer.
- Kahramanoğlu, O., 2004,  
*Implementing system BV of the calculus of structures in Maude*,  
 Proceedings of the ESSLI-2004 Student Session, 117-127, Nancy, France.  
*Short-listed for best paper.*
- Kahramanoğlu, O., Thielscher, M., 2003,  
*A Formal Assessment Result for Fluent Calculus Using the Action Description Language  $\mathcal{A}_k$* ,  
 Proceedings of the 26th Annual German Conference on Artificial Intelligence,  
 KI'03, Hamburg, Volume 2821 of LNAI, Springer.

## Invited Talks

- June 2019      *Stochastic Mechanisms of Information Flow in Phosphate Economy of E. Coli*  
Numerical Computations: Theory and Algorithms. The 3rd International  
Conference and Summer School, Crotone, Italy, June 15 – 21, 2014.  
Special Session on Computational Methods for data analysis
- June 2014      *A theory of model equivalence based on stochastic simulation fluxes*  
5th Workshop on Logic and Systems Biology, associated with CSL/LICS 2014,  
Vienna, Austria, July 13, 2014,
- June 2011      *An algorithmic model of gemcitabine mechanisms of action*  
PharmSciFair, Pharmaceutical Sciences for the Future of Medicines,  
Prague, Czech Republic, June 13-17, 2011.
- Dec. 2009      *Processes of Biology*  
University of Turin, Department of Computer Science, Turin, Italy.
- Nov. 2007      *A Deductive Language for Everything*  
University of Bath, Department of Computer Science.
- Nov. 2007      *A Process Model of Rho GTP-binding Proteins*  
Joint CISB Meeting, Newcastle, UK.
- May 2007      *Deep Inference in Theorem Proving*  
University of Cambridge, Computer Laboratory.
- Dec. 2006      *Interaction and Depth against Nondeterminism in Proofs*  
University of Birmingham, School of Computer Science.
- Nov. 2005      *Deep Inference and Nondeterminism*  
Programming Systems Lab, Saarland University, Saarbrücken.
- Nov. 2004      *Implementing Deep Inference*  
Protheo Group at LORIA, Nancy.

## Other Papers and Talks at Conferences and Workshops

Kahramanoğlu, O., Maria Carla Benedetti, Lorenzo Bramanti  
Stochastic mechanisms of growth and branching in mediterranean coral colonies  
11th Conference on Dynamical Systems Applied to Biology and Natural Sciences DSABNS 2020  
Trento, Italy, February 4-7, 2020.

Kahramanoğlu, O., Cansu Uluşeker, Martin M. Hanczyc.  
Stochastic mechanisms of auto-regulation in *Escherichia coli* with synthetic promoter  
in response to varying external phosphate levels.  
Italian Regional Conference on Complex Systems CCS/Italy,  
FBK, Trento, July 1-3, 2019.

Kahramanoğlu, O.  
Deep inference for proof search.  
5th International Workshop on Structures and Deduction. Affiliated with FSCD '19.  
Dortmund, Germany, June 29-30, 2019.

Kahramanoğlu, O., Martin M. Hanczyc.  
Quantifying mechanisms of bacterial phosphate economy for synthetic apps.  
Tenth Conference Dynamical Systems Applied to Biology and Natural Sciences DSABNS 2019  
Napoli, Italy, February 3-6, 2019.

Kahramanoğlu, O., Cardelli, L.

Gener: A minimal programming module for chemical controllers based on DNA strand displacement.

SSBSS'15. International Synthetic and Systems Biology Summer School, Taormina, Sicily, Italy, July 5-9, 2015.

Kahramanoğlu, O., Lynch, J.

Stochastic Flux Analysis of Chemical Reaction Networks.

2nd Symposium on Complex Biodynamics & Networks,

Tsuruoka, Japan, May 11- 13, 2015.

Kahramanoğlu, O., Lynch J.

*A Theory of Model Equivalence*,

Collection of essays in honor of Luca Cardelli,

Microsoft Research Technical Report, September 2014.

Kahramanoğlu, O., Jordan F., 2011,

Tutorial: *COSBILAB LIME: a language interface for stochastic dynamical modelling in ecology*.

May 30 – June 2, 7th European Conference on Ecological Modelling, Riva del Garda, Italy.

Lecca P., Kahramanoğlu, O., Morpurgo D., Priami C., Soo R., 2011,

*Modelling the tumor shrinkage pharmacodynamics with BlenX*,

1st IEEE International Conference on Computational Advances in Bio and medical Sciences,

February 3 – 5, Orlando, Florida, USA.

Kahramanoğlu, O., Jordan F., 2010,

*Compositional stochastic modelling of dynamical ecosystems*.

XX Congresso Societa Italiana di Ecologia, "Sapienza" Universita di Roma,

September 27 – 30, Rome, Italy.

Kahramanoğlu, O. , Cardelli, L., Caron, E., 2009,

*An Intuitive Automated Modelling Interface for Systems Biology*,

March 23–25, Noise in Life 2009, Møller Centre, Cambridge.

Kahramanoğlu, O., Cardelli, L., Caron, E., 2009,

*An Intuitive Automated Modelling Interface for Systems Biology*,

March 30 – April 1, BioSysBio 2009, University of Cambridge.

Kahramanoğlu, O., 2008,

*Deep Inference and its Applications*,

November 27, LogIC Seminar, Department of Computing, Imperial College.

Kahramanoğlu, O., 2008,

*Ingredients of a Deep Inference Theorem Prover*,

Proceedings of the 2nd International Workshop on Classical Logic and Computation,

CL&C'08, satellite workshop of ICALP 2008, Reykjavik, Iceland.

Kahramanoğlu, O., 2008,

*Interaction and Depth against Nondeterminism in Deep Inference Proof Search*,

April 11, London Theory Day, Imperial College.

Kahramanoğlu, O., 2007,

*On Linear Logic Planning and Concurrency*,

14th International Conference on Logic for Programming Artificial Intelligence and Reasoning,

LPAR'07, Yerevan, Armenia.



Kahramanoğlu, O., 2007,  
*On Concurrent Computations in Petri Nets for Modelling Signalling Pathways*,  
 June 14– 15, Workshop on Rule-Based Modeling of Biochemical Systems,  
 Santa Fe Institute, New Mexico.

Kahramanoğlu, O., 2007,  
*Interaction and Depth against Nondeterminism in Proof Search*,  
 April 19 – 20, Automated Reasoning Workshop 2007, Imperial College.

Kahramanoğlu, O., 2006,  
*Deep Inference and Nondeterminism*,  
 October 25, London Theoretical Computer Science Seminar, King's College.

Kahramanoğlu, O., 2006,  
 Deepest of the Deep Inference,  
 July 7, Proof Theory Meeting in Bath, University of Bath.

Kahramanoğlu, O., 2005,  
*Nondeterminism in the Deep Inference Presentation of Classical Logic*,  
 ICCL Workshop, Deep Inference and Proof Theory 2005,  
 December 14 – 15, TU Dresden, Germany.

Kahramanoğlu, O., 2005,  
*System BV is NP-complete*,  
 ICCL Workshop, Proof Theory 2005, February 21 – 23, TU Dresden, Germany.

Kahramanoğlu, O., 2005,  
*Reducing the Non-Determinism in Proof Search in System BV*,  
 ICCL Workshop, Proof Theory 2005, February 21 – 23, TU Dresden, Germany.

Kahramanoğlu, O., 2005,  
*Labeled Event Structure Semantics of Linear Logic Planning*,  
 March 26 - April 1, 1st World Congress on Universal Logic, Montreux, Switzerland.

Kahramanoğlu, O., 2004,  
*Labelled Event Structure Semantics of Plans*,  
 ICCL Workshop, Proof Theory 2004, September 27 – 28, TU Dresden, Germany.

Kahramanoğlu, O., 2004,  
*Using Partial Order Plans for Project Management*,  
 Proceedings of the 12. Leipziger Informatik-Tage, University of Leipzig.

Kahramanoğlu, O., 2004,  
*Plans as Formulae with a Non-commutative Logical Operator*,  
 June 17– 19, Proof, Computation, Complexity International Workshop, TU Dresden, Germany.

Kahramanoğlu, O., 2003,  
*From Deduction to Computation in the Calculus of Structures via Term Rewriting*,  
 November 19 – 21, Workshop on Structural Proof Theory, TU Dresden, Germany.

Kahramanoğlu, O., Thielscher, M., 2003,  
*A Formal Assessment Result for Fluent Calculus Using the Action Description Language  $\mathcal{A}_k$* ,  
 Proceedings of the 2003 AAAI Spring Symposium,  
 Logical Formalizations of Commonsense Reasoning, Stanford University, California.

## Posters at Conferences

Righetti E., Kahramanoğulları, O., 2020,  
*Signal fidelity and robustness in Escherichia coli phosphate response with synthetic promoters.*  
11th Conference on Dynamical Systems Applied to Biology and Natural Sciences DSABNS 2020  
Trento, Italy, February 4-7, 2020.

Kahramanoğulları, O., Hanczyc M. M., 2018,  
*Scheduling multi-armed liquid handling robot tasks by resource sensitive concurrency.*  
Artificial Life Conference Proceedings, 23-27 July, 2018, Tokyo.

Kahramanoğulları, O., Jordan F., 2011,  
*Using the compositionality feature of LIME in building a multi-network model.*  
May 30 – June 2, 7th European Conference on Ecological Modelling, Riva del Garda, Italy.

Lecca P., Kahramanoğulları, O., Fantaccini G., Morpurgo D., Priami C., 2011  
*Predicting the gemcitabine efficacy by a BlenX model.*  
Population Age Group Europe Meeting, June 7 – 10, Athens, Greece.

Lecca P., Kahramanoğulları, O., Morpurgo D., Priami C., 2011,  
*A BlenX pharmacodynamics model of tumour shrinkage by gemcitabine+carboplatin in lung cancer patients,* MedChem Europe Conference, March 28 – 29, Munich, Germany.

Lecca P., Kahramanoğulları, O., Morpurgo D., Priami C., Soo R. A., 2011,  
*A Modelling the tumor shrinkage pharmacodynamics with BlenX,*  
1st IEEE International Conference on Computational Advances in Bio and medical Sciences,  
February 3 – 5, Orlando, Florida, USA.

Kahramanoğulları, O., Cardelli, L., Caron, E., 2008,  
*An Intuitive Automated Modelling Interface for Systems Biology,*  
Institute of Systems and Synthetic Biology - Autumn Symposium, Imperial College.

Kahramanoğulları, O., Cardelli, L., Caron, E., Gardner, P., Phillips A., 2008,  
*A Process Model of Actin Polymerisation,*  
Synthetic Biology, Systems Biology and Bioinformatics Conference,  
BioSysBio 2008, April 20–22, Imperial College.

Kahramanoğulları, O., Cardelli, L., Caron, E., Gardner, P., Phillips A., 2008,  
*A Process Model of Rho GTP-binding Proteins,*  
March 10–14, Computational and Systems Biology Course at  
The Microsoft Research – University of Trento COSBI, Trento, Italy.

Kahramanoğulları, O., Cardelli, L., Caron, E., Gardner, P., Phillips A., 2007,  
*A Process Model of Rho GTP-binding Proteins,*  
The Eighth International Conference on Systems Biology, October 1–6, Long Beach, California.

Kahramanoğulları, O., 2007,  
*A Deductive Compositional Approach to Petri Nets for Systems Biology,*  
September 19–21, Computational Methods in Systems Biology, Edinburgh, UK.