

CURRICULUM VITAE

Vladimir Brusic, Dec 2010

PERSONAL DETAILS

Name: Vladimir Brusic

Positions: Director of Bioinformatics, Cancer Vaccine Centre, Dana Farber Cancer Institute, Harvard Medical School, Boston, MA, USA

Adjunct Professor, Metropolitan College Computer Science, Boston University, Boston MA, USA.

Work address: Dana-Farber Cancer Institute
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Home address: 4A Alden Ct.
(Australia) Cheltenham, Victoria 3192
Australia

Date of birth: 1959
Citizenship: Australian and Serbian, US permanent resident
Family: Married, one child (b. 1987)

AWARDS/RECOGNITION

- 2007 Cited in Marquis Who's Who in World, 2007-2008
- 2006 Cited in Marquis Who's Who in Science and Engineering, 2006-2007
- 2005 Doctor *honoris causa*, (Dr *h.c.*, Honorary Doctorate), Semmelweis University, Budapest, Hungary.

EDUCATION/FORMAL DEGREES

- 2001 Master of Business Administration (MBA), Rutgers University, New Jersey, USA.
- 2001 Doctor of Philosophy (PhD), La Trobe University, Melbourne, Australia. Topic: Knowledge Discovery from Immunological Databases.
- 1997 Master of Applied Science in Information Technology (MAppSci), Royal Melbourne Institute of Technology, Melbourne, Australia.
- 1991 Graduate Diploma in Computer Science, La Trobe University, Melbourne, Australia.
- 1987 Master of Biomedical Engineering (MEng). University of Belgrade, Yugoslavia.
- 1983 Graduate Mechanical Engineer (BEng/hon.), Yugoslavia.

PROFESSIONAL TRAINING

- 2010 CITI Collaborative Institutional Training Initiative - Human Research Curriculum Stage 1. Basic Course Passed on May 11, 2010 (Ref # 4404624).
- 2010 DF/HCC Investigator Good Clinical Practice (GCP) Training curriculum. Effective on Dec 21, 2010.

WORK EXPERIENCE

Current

- 2006-current Director of Bioinformatics, Cancer Vaccine Centre, Dana Farber Cancer Institute, Harvard Medical School, Boston, MA.
- 2008-current, Adjunct Professor, MET Computer Science, Boston University, Boston MA.

Past

- 2005-2009 Professor of Bioinformatics and Database Management (level E), School of Land, Crop and Food Sciences, University of Queensland, Brisbane, Australia
- 2005-2006 Project Director (part-time), Knowledge Discovery Department Institute for Infocomm Research, Singapore.
- 2003-2007 Adjunct Associate Professor, Department of Microbiology, Faculty of Medicine, National University of Singapore, Singapore.
- 2003-2005 Adjunct Associate Professor, School of Computer Engineering, Nanyang Technological University, Singapore.

- 2003-2005 Head, Knowledge Discovery Department, Institute for Infocomm Research (former KRDL, LIT), Singapore. The department had 42 staff and students and the budget of 1.2 million US\$ in 2004.
- 1998-2005 Laboratory Head (Discovery Systems Laboratory), Institute for Infocomm Research (former KRDL, LIT), Singapore.
- 2002-2005 Adjunct Associate Professor of Bioinformation and Immunology, Division of Science and Design, University of Canberra, Canberra, Australia.
- 1989-1998 Senior Programmer/Bioinformatics Officer, The Walter and Eliza Hall Institute of Medical Research, Melbourne, Australia.
- 1985-1988 Researcher, Centre for Multidisciplinary Studies, Department of Biomedical Engineering, University of Belgrade, Yugoslavia.
- 1986 Exchange researcher, Rehabilitation Institute of Montreal, Montreal, Canada.
- 1984-1985 Constructor-designer of sterilisers/disinfectors, "Sutjeska", Belgrade, Yugoslavia.
- 1982-1983 Trainee researcher, "Maurice E. Müller" Institute for Biomechanics, University of Bern, Switzerland.

SHORT-TERM VISITING POSITIONS

- 2003 Visiting Professor, Canberra Clinical School, The Canberra Hospital and University of Canberra, Canberra, Australia.
- 2002 Visiting Professor, Canberra Clinical School, The Canberra Hospital, Canberra, Australia.
- 2001 Visiting Research Fellow, Department of Pharmacology, School of Medicine, University of Melbourne, Melbourne, Australia.
- 2000 Visiting Scientist, The Edward Jenner Institute for Vaccine Research, Compton, Berkshire, UK
- 1998-2000 Visiting Researcher, Donald Berman Laboratory for Information Technology and Law, Applied Computing Research Institute, La Trobe University, Bundoora, Australia.

STUDENT SUPERVISION

Current postdocs/students

- 2010- current, Lars Olsen, MSc student, Dana-Farber Cancer Institute, (enrolled at Danish Technical University, Lyngby, Denmark).
- 2008-current David Deluca, Postdoctoral fellow, Dana-Farber Cancer Institute, Harvard Medical School, Boston MA, USA.
- 2007-current Guanglan Zhang, Postdoctoral fellow, Dana-Farber Cancer Institute, Harvard Medical School, Boston MA, USA.

Postdocs completed/Students graduated

- 2007-2009 Songsak Tongchusak, Postdoctoral fellow, Dana-Farber Cancer Institute, Harvard Medical School, Boston MA, USA.
- 2007-2008 Honghuang Lin, Postdoctoral fellow, Dana-Farber Cancer Institute, Harvard Medical School, Boston MA, USA.
- 2007-2008 Davide Alemani, Postdoctoral fellow, University of Queensland, Brisbane, Australia.
- 2006-2008 Ping Zhang, Postdoctoral fellow, University of Queensland, Brisbane, Australia.
- 2006-2006 Graham Etherington, Postdoctoral fellow, University of Queensland, Brisbane, Australia.
- 2003-2004 K.N. Srinivasan, Postdoctoral fellow, Johns Hopkins Singapore and Institute for Infocomm Research, Singapore.
- 2002-2003 Rekha S. Pillai. Postdoctoral fellow, Institute for Infocomm Research.
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- 2010 Asif M. Khan. PhD supervisor (Epitope based vaccines for viral infections), Department of Microbiology, National University of Singapore.
- 2009 Menaka Rajapakse, PhD supervisor (Applications of genetic algorithms in bioinformatics). School of Computer Engineering, Nanyang Technological University, Singapore
- 2009 Olivo Miotto, PhD supervisor, (Biological knowledge aggregation) Department of Biochemistry, National University of Singapore.
- 2008 Zhang Guanglan PhD candidate (Soft computing applied to immunoinformatics). School of Computer Engineering, Nanyang Technological University, Singapore
- 2006 Songsak Tongchusak, PhD candidate (Analysis of *C. albicans* virulence factors). Mahidol University, Bangkok, Thailand.
- 2006 Paul Tan Thiam Joo, PhD (Structure-function analysis of scorpion toxins) Department of Biochemistry, National University of Singapore.
- 2005 Mohd. Asif Khan. Masters by research (Viral genome screening for targets of immune responses), Department of Biochemistry, National University of Singapore.
- 2002 Yu Kun, Masters by research (Knowledge discovery in HIV immunology), School of Computer Science, National University of Singapore.
- 2001 Qua Chern Jin, Masters thesis supervisor (Kidney transplant database interface), Singapore MIT Alliance, High performance computing, National University of Singapore.
- 2001 Tam Soh Khum, Masters thesis supervisor (Prediction of kidney transplant outcomes), Singapore MIT Alliance, High performance computing, National University of Singapore.
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- 2010 Esma Dilek, Masters thesis supervisor (Probe design optimization of HLA microarray by filtering uninformative probes), MET Computer Science, Boston University.
- 2009 Heiny Ainling Tan, Masters by research supervisor (Analysis of immune responses to influenza virus), Department of Microbiology, National University of Singapore.

- 2005 Lee Xuinjian, Kenneth, Honours thesis supervisor (Comparison of cytomegalovirus and elongation factor 1 alpha promoters to aid in the development of DNA vaccines), Department of Microbiology, National University of Singapore.
- 2005 Goh Wen Bin, Wilson, Honours thesis supervisor (TumorAntigen: a platform for cancer antigen analysis), Department of Microbiology, National University of Singapore.
- 2004 Heiny Ainling Tan, Honours thesis supervisor (The antigenic diversity analysis of complete viral genome of influenza A virus), Department of Microbiology, National University of Singapore).
- 2003 Chia Chia Tan, Honours thesis supervisor (Allergen database), Department of Biological Sciences, National University of Singapore).
- 2002 Mohd. Asif Khan. Honours thesis supervisor (Characterisation of snake toxins, Department of Biological Sciences, National University of Singapore).
- 2001 Paul Tan Thiam Joo. Honours thesis supervisor (Characterisation of scorpion toxins, Department of Biological Sciences, National University of Singapore).
- 2000 Fabian Lim, Honours thesis supervisor (Neural networks for peptide binding prediction), School of Computer Science, National University of Singapore.

TEACHING

- 2010 Lecturer and subject coordinator. Boston University, MET Computer Science (graduate course CS580 Biomedical Informatics) – 16 students.
- 2010 Student Supervisor, Special course: Advanced Immunoinformatics. Danish Technical University (Institute for Systems Biology).
- 2009 Lecturer and subject coordinator. Boston University, MET Computer Science (graduate course CS580 Biomedical Informatics) – 16 students.
- 2008 Lecturer, graduate seminar “Translational Bioinformatics: From Molecules to Vaccines” Graduate Program in Bioinformatics, Boston University. Sep 15, 2008.
- 2008 Guest Lecturer, undergraduate seminar "Development of Vaccines and Immunotherapeutics" taught as a joint course between Brown University and University of Rhode Island (Bio 160/ BIOL1600, URI/MTC 594). Feb 6, 2008.
- 2008 Guest Lecturer, graduate seminar "Bioinformatics Applications for Analysis of Viruses and Cancer Antigens", University of Rhode Island, IDeA Network of Biomedical Research Excellence, Seminar Series: Fall 2007 - Spring 2008. Feb 5, 2008.
- 2007 Co-Director, First Immunomics Summer School (Computer Modelling, from Molecules to Clinics) Catania, 24 August - 03 September, 2007, 40 students.
- 2007 Guest Lecturer, Brown University, Providence RI, USA (Bio 160, Development of Vaccines) – 20 students.
- 2006 Lecturer and subject coordinator. Nanyang Technological University, Singapore (BI6129 Special Topics graduate module – Bioinformatics Discovery) – 20 students.

- 2005 Lecturer and subject coordinator. Nanyang Technological University, Singapore (BI6129 Special Topics graduate module – Bioinformatics Discovery) – 20 students.
- 2005 One-day Course on “Bioinformatics and Autoimmunity” May 6, 2005 - Potenza, Italy, Organizers: Vladimir Brusic, Marcella Attimonelli and Paolo Riccio, 50 attendees.
- 2004 Invited lecturer (Databases and Warehouses for Bioinformatics) New Zealand Summer School of Bioinformatics, Knowledge Engineering and Discovery Research institute, Auckland, New Zealand, February 2004.
- 2004 Lecturer and subject coordinator. Nanyang Technological University, Singapore (BI6129 Special Topics graduate module – Bioinformatics Discovery) – 20 students.
- 2004 Lecturer. National University of Singapore - Essential Bioinformatics and Biocomputing module (LSM2104 undergraduate module) – 290 students.
- 2003 Invited tutorial. Biological Data Warehousing. Knowledge Discovery and Data Mining in Biological Databases. The Tenth International Conference on Intelligent Systems for Molecular Biology (ISMB-2003) Brisbane Australia June 29-July 3, 2003.
- 2003 Lecturer and Curriculum co-Developer. National University of Singapore - Essential Bioinformatics and Biocomputing module (LSM2104 undergraduate module) – 300 students.
- 2002 Guest Lecturer and Curriculum co-Developer. National University of Singapore - Essential Bioinformatics and Biocomputing module (LSM2104) – 300 students.
- 2002 International faculty – invited tutorial. Immunoinformatics (Computational Immunology). FIMSA Advanced teaching course on “Molecular Mechanisms of Infection and Immunity”, Ayutthaya, Thailand Oct 21-25, 2002.
- 2002 Invited tutorial. Bioinformatics - The Machine Learning Approach. International Conference on Bioinformatics (InCoB 2002) (pre-conference workshop), Bangkok, Thailand Feb 5-8 2002.
- 2001 Invited tutorial. Immunoinformatics (pre-conference workshop). 31st Annual Scientific Meeting, Australasian Society of Immunology, Canberra, Australia, Dec 2-6, 2001.
- 2001 Invited tutorial. Artificial Intelligence in Bioinformatics. Department of Biochemistry, National University of Singapore. May 18, 2001.
- 2001 Invited tutorial. Artificial Intelligence in Bioinformatics. Department of Biological Sciences, National University of Singapore. May 17, 2001.
- 1998 Invited tutorial. Knowledge Discovery and Data Mining in Biological Databases. The Sixth International Conference on Intelligent Systems for Molecular Biology (ISMB-98) Montreal, Canada, June 28 - July 1 1998.

PROFESSIONAL APPOINTMENTS, MEMBERSHIP, COMMITTEES, AND BOARDS

Current

- 2010 - Immunology Frontier Research Center (iFReC), Osaka University, Osaka Japan.
- 2008 – President, International Immunomics Society.
- 2007 – Member, International Association for Pattern Recognition, Technical Committee 20 on Pattern Recognition for Bioinformatics
- 2004 – International Scientific Advisory Board Member, Knowledge Engineering and Discovery Research Institute (KEDRI), Auckland University of Technology, Auckland, New Zealand
- 2003 – Fellow, Australian Venom Research Unit, School of Pharmacology, University of Melbourne, Melbourne, Australia

Past

- 2006 – 2009 Scientific Coordinator, ImmunoGrid, The European Virtual Human Immune System Project.
- 2005 – 2010 Board Member, Asia-Pacific Bioinformatics Network (APBioNet)
- 2003 – 2007 Vice-President of the International Immunomics Society
- 2006 – 2007 Advisory Board Member, EuroPhysiome, A Roadmap to the Virtual Physiological Human
- 2002-2006 International Observer to the Steering Committee, Network on Myelin Structure and its Role in Autoimmunity (MARIE), European Science Foundation.
- 2005 – 2006 Associate Member, Australian Research Council Center in Bioinformatics, Australia
- 2003 – 2006 Board Member, Association of Asian Societies of Bioinformatics
- 2004 – 2005, Vice-president, Association for Medical and Bio Informatics, Singapore
- 2004 – 2005 Technical Advisor for the Engineering Science in Medicine (ESiM) Techscan Panel, Singapore (advising Ministry of Trade and Industry)
- 2003 – 2004, Honorary Secretary, Association for Medical and Bio Informatics, Singapore

GRANTS, AWARDS AND SCHOLARSHIPS

- 2010 – 2011 Human KIR variation profiling by microarray USD 175,000 (PI Vladimir Brusic), Pilot project under 1U01AI090043-01.
- 2010 – 2015 NIH Research Grant 1U01AI090043-01 Crossprotective CTL against Influenza (Total of 6,500,000 – PI Ellis Reinherz)
- 2006 - 2009. Core funding grant (Cancer Vaccine Center, Dana-Farber Cancer Institute) USD 400,000 per annum for the Bioinformatics Core.
- 2008 ASBMT (American Society for Blood and Marrow Transplantation) Best Abstract Award for Basic Science. 2008 BMT Tandem Meetings, February 13-17, 2008, San Diego, California, USA. (Ofra Y, Brusic V, Soiffer RJ, Antin JH, J. Ritz J. (2008). Identification of human minor histocompatibility antigens (mHA) by combining bioinformatic prediction of peptide epitopes with validation of T cell

- reactivity in patient blood samples after allogeneic hematopoietic stem cell transplantation. *Biology of Blood and Marrow Transplantation* 2008, 14(2), Supplement 1, 1.)
- 2006-2008 IST-04-028069-STP. Commission of the European Communities, Information Society Technologies, Specific Targeted Research Project, ImmunoGrid - The European Virtual Human Immune System Project, Project Number: 028069, € 203,244.00 (of the total € 1,951,042). V. Brusic is the proposer and scientific coordinator of the project.
- 2006 Support for MARIE Autoimmunity Course Budapest 11-Oct-2006. European Science Foundation (€ 8977).
- 2004-2008 Contract Award No. HHSN266200400085C (NO1-AI40085) – Large Scale Antibody and T-Cell Epitope Discovery Program (under RFP-NIH-NIAID-DAIT-04-39). The contract is valued at USD 509,609 (of total USD 7,279,857, project director Tom August of Johns Hopkins University).
- 2004 Core funding grant (Institute for Infocomm Research) S\$2,000,000 (US\$1,170,000) for the Knowledge Discovery Department (one year).
- 2003-2004 Academic Research Fund, National University of Singapore. R-154-000-190-112, Mapping alternate splice variants onto protein structure using biocomputing methods (one year). Co-investigator with PI Shoba Ranganathan. Total amount S\$70,780 (US\$41,600).
- 2003 NIH research grant 1 U19 AI56541-01, a multi-project grant. Project 1, Computational identification of dengue virus T-cell epitopes. – Project leader for Project 1, US\$290,000 (five years). (Overall project principal investigator Tom August, Johns Hopkins Medical School)
- 2003 Analysis of SARS Coronavirus (CoV) Infection in Singapore Population Cohorts: Asymptomatic SARS CoV Infection, Immunological Relationship with nonSARS CoV and the SARS CoV Serotype (BMRC grant 3/1/55/20/282), S\$ 40,000 (US\$ 23,500) for computational analysis of SARS CoV (one year). With Johns Hopkins Singapore – PI Tom August, total award amount S\$173,967 (US\$100,000)
- 2003 Core funding grant (Institute for Infocomm Research) S\$1,700,000 (US\$1,000,000) for the Knowledge Discovery Department (one year).
- 2003 Best paper award (first quarter). Institute for Infocomm Research, Singapore.
- 2002 Core funding grant (Laboratories for Information Technology) S\$700,000 (US\$411,800) for the Discovery Systems Laboratory (one year).
- 2002 Best paper award (second quarter). Laboratories for Information Technology, Singapore.
- 1999 S\$727,750 (US\$428,000) research and development grant from the National Science and Technology Board of Singapore for the project Computational Immunology (three years).
- 1998-1999 Co-investigator on the United States Public Health Service Grant (R01 AI36478). "T Cell Immunity to Preerythrocytic *P. falciparum*" (investigates targets of immune responses in malaria infection). Principal investigator Prof. James W. Kazura, Case Western Reserve University, Cleveland, OH, USA.
- 1986 Graduate research exchange program scholarship (one year), University of Montreal, Canada.
- 1982 Undergraduate research exchange program scholarship (eight months), M.E.M. Institute for Biomechanics, University of Bern, Switzerland.

PRODUCTS AND SOLUTIONS

CandiVF – a database of *Candida albicans* virulence factors
ANTIMIC – a database of antimicrobial peptides
MHCPEP - a database of MHC binding peptides.
FIMM - a database of functional immunology.
SCORPION - a database of scorpion toxins
MOLLUSK – a database of conotoxins
ALLERDB – allergen database
CysView: Protein classification based on cysteine pairing patterns
PREDICT/PredModel – system for prediction of peptide binding to MHC molecules.
MULTIPRED - system and method for systematic prediction of peptide ligands to the families of related receptors.
PREDBal/c – prediction of peptide binding to H-2^d heplotype
PRED^{NOD} - prediction of peptide binding to H-2^{Ag7} hplotype
PRED^{TAP} – prediction of peptide binding to human Transporter Associated with Antigen Processing
Hotspot Hunter – identification of T-cell epitope hot-spots in protein antigens
BioWare - system for rapid building of specialist biological databases using templates

RESEARCH INTERESTS

Data warehousing in biology
Knowledge discovery and data mining from biological databases
Computational simulation of laboratory experiments
Functional genomics
Immunomics
Computational immunology
Vaccine research
Modelling receptor-ligand interactions
Allergenic safety of proteins
Venominformatics

PATENTS

Brusic V., Koh J.L.Y., and Schönbach C. A System, method and interface for building biological databases using templates. (GB2383452, March 30, 2005; SG95799, Jul 27, 2005).
Brusic V. Predicting interaction of ligands and receptors e.g. T-cell receptors by representing ligand-receptor interaction by combining representations of ligand interaction sites and representations of receptor interaction sites. (SG 98973 Sep 30, 2005; AU2001245011, Nov 30, 2007)

COLLABORATIVE RESEARCH

- 2006-present European ImmunoGrid Consortium: Elda Rossi - coordinator (CINECA, Italy), Massimo Bernaschi (CNR, Italy), Santo Motta (U. Catania, Italy), Pier-Luigi Lollini (U. Bologna, Italy), Soren Brunak (DTU, Denmark), Marie-Paule Lefranc (U. Montpellier II, France), David Moss (Birkbeck College, UK), Vladimir Brusic – scientific coordinator (U. Queensland, Australia)
- 2003-present Johns Hopkins University, Baltimore, MD (Tom August). Viral vaccines.
- 2002-2005 Riken Institute, Yokohama, Japan (Christian Schoenbach). FANTOM2 functional annotation of mouse genome.
- 2001-2004 National Health Sciences Centre, Canberra, Australia and Canberra University (Nikolai Petrovsky). Predictive bioinformatics.
- 2001-2004 Department of Pharmacology, School of Medicine, University of Melbourne, Melbourne, Australia. (Ken Winkel and Jim Angus). Development of the database of conotoxins.
- 2000-2001 National University Hospital, Singapore (Lim Seng Gee). Data warehousing for the analysis of the DNA and protein sequence variation in Hep-B infected patients.
- 2000-2004 Edward Jenner Institute for Vaccine Research (Darren Flower). Development of the predictive models for identification of T-cell epitopes using small numbers of experimental data.
- 1999-2003 Wayne State University (Yi-Chi Kong) and Mayo Clinic (Daniel McCormick). Identification of CLASS II T-cell epitopes in autoimmune thyroiditis.
- 1999-2000 Institute of Molecular Agrobiolology, Singapore (Jimmy Kwang). Development of animal vaccines.
- 1998-2002 Hoffmann-La Roche Inc. (Juergen Hammer, Nutley NJ). Development of computer models of peptide binding.
- 1998-2002 Pittsburgh University, Department of Surgery (Walter Storkus). Identification of HLA-class II T-cell epitopes in melanoma.
- 1997-present Case Western Reserve University School of Medicine, Division of Geographic Medicine (James Kazura). Identification of T-cell epitopes from *P. falciparum* antigens.
- 1997-1998 Stanford University, Stanford Medical Informatics (Russ Altman). Development of knowledge base for MHC-binding peptides.
- 1996-1997 National Institute of Tumors, Milano, Italy (Venkatesh Ramakrishna and Giorgio Parmiani). Identification of candidate T-cell epitopes from ovarian cancer antigens.

INVITED (GUEST) LECTURES

- IAVI (International Aids Vaccine Initiative), New York City, NY (Jan 20, 2010).
“Computational Simulations of the Immune System: Applications for Vaccine Development”

Boston College, MA, USA (Oct 23, 2007). "Immunoinformatics - from molecules to vaccines"

Harvard University, School of Public Health, Boston MA, USA (Apr 4, 2007). "Immunoinformatics - from sequences to vaccines"

Boston University, Boston MA, USA (Nov 9, 2006). "Immunomics: From Peptides to Therapeutics"

University of Catania, Catania, Italy (June 22, 2006). "Computational Models for Molecular Medicine"

University of Catania, Catania, Italy (June 15, 2006). "Immunoinformatics and Immunomics: Recent Developments"

University of Osaka, Osaka, Japan (June 5, 2006) "Computational Models for Molecular Medicine".

Semmelweis University, Budapest, Hungary (Nov 4, 2005) "Computational models for molecular medicine".

University of Bari, Bari, Italy (May 1, 2005). "Trends in Immunomics".

Mahidol University, Bangkok, Thailand (Oct 20, 2004). "Identification of T-cell epitope hot spots in viral antigens".

Boston University, Boston, USA (July 22, 2004) "Immunoinformatics for the study of immune function".

Johns Hopkins School of Medicine, Baltimore, USA (July 20, 2004) "Immunoinformatics for the study of immune function".

La Jolla Institute for Allergy and Immunology, San Diego, USA (July 16, 2004) "IMMUNOINFORMATICS for the study of immune function".

Institute for Biological Sciences, NRC, Ottawa, Canada, (Nov 19, 2003). "Venominformatics: Prediction of scorpion toxin functional properties from primary sequence".

The Canberra Hospital, Canberra, Australia (July-2003). "Medical research using the Internet: bioinformatics and what it can do for you".

Department of Microbiology, National University of Singapore (9-Apr-2003). "Bioinformatics for the study of immune system".

RIKEN Institute, Yokohama, Japan (Mar-2003). "Bioinformatics for study of Allergens".

RIKEN Institute, Yokohama, Japan (Mar-2003). "Immunoinformatics".

Center for Structural Biology, Vanderbilt University, Nashville, Tennessee, USA (May-2002). "Prediction of Peptide Binding to Families of Related Receptors"

National Library of Singapore (Life Sciences at the Courtyard), Singapore (Aug 2001) "Artificial Intelligence in Biology"

Department of Biological Sciences, National University of Singapore (May 2001). "Artificial Intelligence in Bioinformatics".

Department of Pharmacology, University of Melbourne, Australia. (Mar-2001). "Managing Scorpion Toxin Data"

Division of Viral Immunology, Center for AIDS Research, Kumamoto University, Honjo, Japan. (Dec-2000).

Department of Statistics and Applied Probability, National University of Singapore. (Nov-2000).

Edward Jenner Institute for Vaccine Research, Compton, Berkshire, UK. (Mar-2000).

Children's Hospital Medical Center, Cincinnati, USA. (July-1999).

Argonex, Charlottesville, Virginia, USA. (July-1999).
Complex Carbohydrate Research Center, University of Georgia, Athens, Georgia, USA. (Jun-1998).
Ludwig Institute for Cancer Research (Austin and Repatriation Medical Center). Melbourne, Australia. (Apr-1998).
Bioinformatics Centre, National University of Singapore (2-Dec-1997).
“Computational Immunology: From Genes To Vaccines”.
National Institute of Tumors, Milan, Italy. (Jun-1997).
Department of Immunology, Interfaculty Institute for Cell Biology, Eberhard-Karls-University Tübingen, Germany. (Jun-1997).
Department of Medicinal Chemistry, Faculty of Pharmacy, University of Utrecht, Utrecht, The Netherlands. (Jun-1997).
Center for Biological Sequence Analysis, The Technical University of Denmark, Lyngby, Denmark. (Jun-1997).
The Institute for Medical Research, University of Belgrade, Yugoslavia. (Jun-1997).
Department of Biophysics, University of Kyoto, Japan. (May-1997)
The Institute of Medical Science, University of Tokyo, Japan. (May-1997)

OTHER PUBLICITY

2004 Published interview: Dubravka Maric. Informatics in service of immunology (in Serbian). *SciTech* 7:32-34.
2003 Published interview: Tan L.L. (2003). Bioinformatics speeds up the search for cures. *Innovation* (Singapore) 3(4):42-43.
2001 TV interview on Biotechnology, Channel NewsAsia, Singapore.
2000 Published interview: Hagmann M. (2000). Computers Aid Vaccine Design. *Science* 6 Oct 2000: 290(5489):80-82.
1998 Published interview: Thwaites T. (1998). AustralAsian: Lure of the orient. *New Scientist*. 27 June 1998.
1997 Published interview: Thwaites T. (1997). The matchmaker. *New Scientist* 156(2104):36-40.
1996 Published interview: Featherstone C. (1996). MHC-binding prediction prediction on the Web. *Molecular Medicine Today* 2(12):491.

JOURNALS

Editor

Immunomics Reviews (Springer)

Deputy editor

Immunome Research

Member of the editorial board

Briefings in Bioinformatics

Computational Biology and Chemistry: Advances and Applications

Member of the editorial advisory board
The Open Proteomics Journal

Ad-hoc or regular reviewer

Acta Biotheoretica
BioTechniques
BMC Bioinformatics
BMC Genomics
BMC Structural Biology
Briefings in Bioinformatics
Bioinformatics
Bulletin of Mathematical Biology
Cancer Research
Current Pharmacogenomics
Genomics
Graft
Expert Review of Vaccines
Drug Discovery Today
Immunogenomics
Immunome Research
In Silico Biology
International Immunology
Journal of Applied Bioinformatics
Journal of Biomedicine and Biotechnology
Journal of Bioinformatics and Computational Biology
Journal of Computational Chemistry
Journal of Immunology
Journal of Molecular Biology
Journal of Proteome Research
Letters in Peptide Science
Parasite Immunology
Pattern Recognition Letters
Plant Science
PLoS Biology
PLoS Computational Biology
PLoS Genetics
PLoS Medicine
PLoS Neglected Tropical Diseases
PLoS ONE
Proteins: Structure, Function, and Bioinformatics
Protein Science
Nature Biotechnology
Nucleic Acids Research
Pharmacogenomics
Trends in Immunology
Trends in Microbiology

Tuberculosis
Vaccine
Virus Research

EXTERNAL GRANT REVIEWER

2010 National Institutes of Health
2010 European Commission
2010 Qatar National Research Foundation
2010 Israel Science Foundation
2009 National Institutes of Health
2009 Qatar National Research Foundation
2008 US-Israel Binational Science Foundation
2007 Qatar National Research Foundation
2007 Broad Medical Research Program, the Broad Foundation
2005 Medical Research Council UK
2005 The Istituto Nazionale di Alta Matematica (INdAM), Italy
2005 The Netherlands Organisation for Health Research and Development (ZonMw) / Netherlands Genomics Initiative (NGI)
2003 Private Practice Fund, The Canberra Hospital, Australia
2003 Canadian Institutes of Health Research
2001 National Medical Research Council, Singapore

PUBLICATIONS

(May 2010: 119 journal articles, 9 book chapters, 3 edited books, 27 refereed conference articles, and 22 other publications).

Journals

119. Zhang GL, DeLuca DS, Keskin DB, Chitkushev L, Zlateva T, Lund O, Ellis L, Reinherz EL, Brusic V. MULTIPRED2: a computational system for large-scale identification of peptides predicted to bind to HLA supertypes and alleles. *Journal of Immunological Methods* (in press).
118. You L., **Brusic V.**, Gallagher M., Boden M. (2010). Using Gaussian process with test rejection to detect T-cell epitopes in pathogen genomes. *IEEE Transactions on Computational Biology and Bioinformatics* 7(4):741-51.
117. Riemer AB, Keskin DB, Zhang G, Handley M, Anderson KS, Brusic V, Reinhold B, Reinherz EL. A conserved E7-derived cytotoxic T lymphocyte epitope expressed on human papillomavirus 16-transformed HLA-A2+ epithelial cancers (2010). *Journal of Biological Chemistry* 285(38):29608-22.
116. Zhang W, Choi J, Zeng W, Rogers SA, Alyea EP, Rheinwald JG, Canning CM, **Brusic V**, Sasada T, Reinherz EL, Ritz J, Soiffer RJ, Wu CJ. Graft-versus-Leukemia Antigen CML66

- Elicits Coordinated B-Cell and T-Cell Immunity after Donor Lymphocyte Infusion. *Clinical Cancer Research* 16(10):2729-39..
115. Halling-Brown M, Pappalardo F, Rapin N, Zhang P, Alemani D, Emerson A, Castiglione F, Duroux P, Pennisi M, Miotto O, Churchill D, Rossi E, Moss DS, Sansom CE, Bernaschi M, Lefranc MP, Brunak S, Lund O, Motta S, Lollini PL, Murgo A, Palladini A, Basford KE, Brusica V, Shepherd AJ. (2010). ImmunoGrid: towards agent-based simulations of the human immune system at a natural scale. *Philos Transact A Math Phys Eng Sci.* 368(1920):2799-815.
 114. Ofran Y, Kim H, Brusica V, Blake L, Mandrell M, Wu C, Sarantopoulos S, Bellucci R, Keskin D, Soiffer R, Antin A, Ritz J. (2010). Diverse patterns of T cell response against multiple newly identified human Y chromosome encoded minor histocompatibility epitopes. *Clinical Cancer Research* 16(5):1642-51.
 113. Miotto O, Heiny AT, Albrecht R, García-Sastre A, Tan TW, J August JT, **Brusica V.** (2010). Complete-proteome mapping of human influenza A adaptive mutations: implications for human transmissibility of zoonotic strains. *PLoS ONE* 5(2):e9025.
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11. **Brusic V.**, Khan A.M. (editors) (2005). Abstract Book. The 3rd Asia-Pacific Bioinformatics Conference & Singapore Bioinformatics Week. World Scientific, January 2005.
10. Koh J.L.Y., **Brusic V.** (2005). Bioinformatics Database Warehousing. In Chen YPP (editor), Bioinformatics Technology, pages 45-62, Springer.
9. Akutsu T., **Brusic V.**, Kanehisa M., Miyano S., Takagi T. (editors). Genome Informatics 2004. Genome Informatics Series Vol. 15. No. 2. Universal Academy Press, Inc, Tokyo, Japan 2004.
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7. Motta S., **Brusic V.** (2004). Mathematical Modelling of the Immune System. In G. Ciobanu, G. Rozenberg (eds.) Modelling in Molecular Biology, pages 193-218, Natural Computing Series, Springer, 2004.
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Other Publications

22. Sansom CE, Shepherd A, **Brusic V**, Motta S, Lollini PL, Lefranc MP, Moss DS. (2008). Multi-scale modeling of the immune system: applications to cancer immunotherapy. *Anticancer Research* **28**(5C), 3471-3471. (Meeting Abstract).
21. Ofran Y, **Brusic V**, Soiffer RJ, Antin JH, Ritz J. (2008). Identification of human minor histocompatibility antigens (mHA) by combining bioinformatic prediction of peptide epitopes with validation of T cell reactivity in patient blood samples after allogeneic hematopoietic stem cell transplantation. *Biology of Blood and Marrow Transplantation*, **14**(2), Supplement 1, 1.
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19. Marina O, Biemacki M, Cai A, Zhang WD, Duke-Cohan JS, **Brusic V**, Liu FL, Alyea E, Canning CM, Seiffer R, Ritz J, Wu CJ. (2007). Immunoproteomic identification of graft-versus-leukemia targets in patients with chronic lymphocytic leukemia. *Blood* **110**(11), 30A. (Meeting Abstract).
18. Marina O, Wu CJ, **Brusic V**. (2007). Target discovery using proteomic microarrays. *BIOforum Europe*, **11**(10), 20-22.
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15. **Brusic V**. (2004). Possible role of viral antigen recognition in T-cell repertoire selection processes. *Tissue Antigens* **B**(4), 341-341. (Meeting abstract).
14. Zhang G, Khan AM, Srinivasan KN, August JT, **Brusic V**. (2003). Neural Models for Predicting Viral Vaccine Targets. Proceedings of the NCEI'03: Neurocomputing and Evolving Intelligence 2003, Auckland, New Zealand, November 20-21, 2003.
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5. Daniel S., **Brusic V.**, Caillat-Zucman S., Petrovsky N., Harrison L., Riganelli D., F. Sinigaglia F., Gallazzi F., Hammer J., van Endert P.M. (1997). The relationship between peptide selectivity of HLA class I molecules and TAP transporters. *Immunology Letters* 56(1-3):240. (Meeting abstract).
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3. Baum H., **Brusic V.**, Choudhuri K., Cunningham P., Vergani D., Peakman M. (1995). MHC molecular mimicry in diabetes. *Nature Medicine* 1(5):388. (Letter).
2. Nakagawa K, **Brusic V**, McColl G, Harrison LC. Retrovirus expression in synovial tissue from patients with rheumatoid arthritis (RA). *Arthritis and Rheumatism* 38(9), 387-387. (Meeting abstract).
1. Rudy G., **Brusic V.**, Harrison L.C., Lew A.M. (1995). Sequence similarity between the β -cell autoantigens, proinsulin and glutamic acid decarboxylase: a clue to pathogenesis? *Immunology Today* 16(8):406-407. (Letter).

CONTRIBUTIONS TO NATIONAL/INTERNATIONAL CONFERENCES

2010

- Biomarker Discovery Conference @ Shoal Bay, December 6-10, 2010. Shoal Bay, NSW, Australia. (Plenary Speaker)
- The Sixth International Conference on Advanced Data Mining and Applications (ADMA 2010). November 19-21, 2010, Chongqing, China. (Keynote Speaker)
- Immunoinformatics and Computational Immunology Workshop (ICIW 2010). August 2-4, 2010 Niagara Falls, NY, USA. (Keynote Speaker)
- Ninth International Conference on Bioinformatics (InCoB 2010), September 26-28, Tokyo, Japan (BCII Sessions Chair).
- PEGS 2010: the essential protein engineering summit. May 17-21, 2010, Boston, MA. "Computational Simulations of the Immune System: Applications for Vaccine Development" (Invited Speaker).

2009

- IEEE Congress on Evolutionary Computation (IEEE CEC 2010). May 18-21, Trondheim, Norway (Member, Program Committee)
- Eighth International Conference on Bioinformatics (InCoB 2009), September 7-11, 2009, Singapore. (Member, Program Committee).
- 2nd International Conference on Biomedical and Pharmaceutical Engineering 2006 (ICBPE 2006), Dec 2-4, 2009, Singapore. (Member, Program Committee).

2008

- ICONIP 2008 - 15th International Conference on Neural Information Processing of the Asia-Pacific Neural Network Assembly, November 25-28, 2008, Auckland, New Zealand “Pattern Recognition in Vaccine Discovery“ (plenary speaker).
- 7th International Conference in Bioinformatics (InCoB), Oct. 20-22, 2008, Taipei, Taiwan. “Translational Medicine: A Grand Challenge for Bioinformatics” (Keynote Speaker).
- 2008 BMT Tandem Meetings, February 13-17, 2008, San Diego, California, USA. (Oral presentation; ASBMT best abstract award for basic science).
- 2008 International Conference on Biomedical Engineering and Informatics (BMEI 2008), 27 to 30 May 27-30, 2008, Sanya, Hainan, China. (Member, Program Committee).

2007

- 2nd IAPR International Workshop on Pattern Recognition in Bioinformatics (PRIB 2007). Grand Plaza Park Hotel, Oct 1-2, 2007, Singapore. “Pattern Recognition and Computational Simulations in Immunology and Vaccine Discovery”. (Invited Speaker).
- Sixth International Conference on Bioinformatics (InCoB 2007), 27 - 30 August 2007, HKUST, Hong Kong, Hanoi, Vietnam and Nansha, PR China. (Member, Program Committee).
- 2007 IEEE Symposium on Computational Intelligence in Bioinformatics and Computational Biology, April 1-5, 2007, Honolulu, Hawaii. (Member, Program Committee).
- International Conference on Biomedical and Pharmaceutical Engineering 2006 (ICBPE 2006), Dec 11-14, 2006, Singapore. “Computational Immunology: Deciphering the Immune System“ (Plenary Speaker)

2006

- 2006 International Congress of Immunogenomics and Immunomics (BCII 2006), Oct 8-12, 2006, Budapest, Hungary, (Congress Co-chair)
- 2006 Workshop on Pattern Recognition in Bioinformatics (PRIB 2006), August 20, 2006, Hong Kong. (Member, Program Committee)
- An interactive Seminar: Linking Science to Horticulture – the Future? The Australian Society of Horticultural Science, Brisbane, QLD, May 25, 2006. “Bioinformatics: Technological Opportunities for Horticulture” (Keynote Speaker)
- Domain Modelling & User Evaluation Workshop, “Bioinformatics - technological opportunities for horticulture”. Generation Challenge Programme Subprogramme 4, Pretoria, South Africa. March 28-31, 2006. “Bioinformatics for study of environmental stress in plants”. (Invited Speaker)
- 1st International Conference on Advanced Medical Engineering and Informatics. Reconstruction and restoration of Biological Function from molecule to Body. June 2-3, 2006, Osaka, Japan. (Keynote speaker)
- PAKDD 2006, 10th Pacific-Asia Conference on Knowledge Discovery and Data Mining, BioDM2006 Workshop, Apr 9-12, 2006, Singapore. (Workshop Member, Program Committee)
- The 20th IEEE International Conference on Advanced Information Networking and Applications (AINA 2006), April 18-20, 2006, Vienna University of Technology, Vienna, Austria. (Member Program Committee).

2001-2005

- 16th International Conference on Genome Informatics, December 19-21, 2005, Yokohama, Japan. (Member, Program Committee)
- 2005 IEEE Symposium on Computational Intelligence in Bioinformatics and Computational Biology (CiBCB 2005), Nov 14-15, 2005, San Diego, USA (Reviewer)

- 4th World congress of Cellular and Molecular Biology, October 7-12, 2005, Poitiers, France (Member International Scientific Committee, Symposium Chair)
- 6th International Conference on Intelligent Data Engineering and Automated Learning (IDEAL'05), July 6-8, 2005, Brisbane, Queensland, Australia (Speaker).
- Seminars in Immunomics meeting, May 29-Jun 2 2005, Recife, Brazil (Invited Speaker and Session Chair)
- A-IMBN SCA Joint Bio Symposium, May 11, 2005, Hanoi, Vietnam (Invited Speaker)
- Myelin Structure and its Role in Autoimmunity (MARIE II), May 1-5, 2005 Potenza, Italy (Invited Speaker and International Observer to the Steering Committee)
- 3rd Congres of the Federation of Immunological Societies of Asia-Oceania (FIMSA 2005), April 18-22, 2005, Hangzhou, China (Invited Speaker)
- 2nd International Immunoinformatics Symposium, March 7-9, 2005, Boston, USA. (Member, Scientific Program Committee).
- 3rd Asia-Pacific Bioinformatics Conference (APBC 2005), Jan 17-21, 2005 Singapore (Chair organizing committee)
- 15th Workshop on Genome Informatics (GIW 2004), Dec 13-15, 2004 Yokohama, Japan. (Co-Chair Program Committee).
- 1st International Conference on Basic and Clinical ImmunoGenomics. October 3-7, 2004, Budapest, Hungary (Invited speaker, session chair).
- 2nd European Workshop on Data Mining and Text Mining for Bioinformatics. Sep 24, 2004, Pisa, Italy. (Member Program Committee)
- International Workshop on Knowledge Discovery in BioMedicine (KDbM-04). (PRICAI 2004 Workshop 6) Aug 9, 2004, Auckland, New Zealand. (Member Program Committee).
- 12th International Conference on Intelligent Systems for Molecular Biology and 3rd European Conference on Computational Biology (ISMB ECCB 2004), July 31-August 4 2004, Glasgow, UK. (Member, Program Committee).
- COST 840 Applications of Immobilisation/Bioencapsulation in Medicine, Pharmacy, Food Technology and Biotechnology 25-27 June 2004, Belgrade, Serbia and Montenegro (Keynote Speaker)
- The workshop on Future Directions of Research in Promising Areas Around Immunology, hosted by Center for Research and Development Strategy of the Japan Science and Technology Agency, April 2-3, 2004, Tokyo, Japan. (Invited Speaker)
- Singapore Immunoinformatics Symposium From databases to vaccines, March 1st 2004, Institute for Infocomm Research, Singapore. (Organiser)
- 1st International Immunoinformatics Symposium: Immunology Meets Bioinformatics, Feb 26-27, 2004, Yokohama, Japan. (Session Chair, Invited Speaker).
- 9th International Conference on Database Systems for Advanced Applications (DASFAA 2004). 24-27 February, 2004, Jeju Island, Korea. (Member Program Committee).
- 14th Workshop on Genome Informatics, Dec 15-17, 2003 Yokohama, Japan. (Session Chair).
- The 1st Annual Symposium of Association of Asian Societies for Bioinformatics (AASBi). 14 December, 2003, Yokohama, Japan. (Invited Plenary Speaker “Immunoinformatics: Tools for Large-scale Immunology”)
- Biotechnology Havana 2003, Medical Applications of Biotechnology, November 23-28, 2003 Havana, Cuba. (Invited plenary speaker “Immunoinformatics: Deciphering the Immune System”)
- 10th Asian Chemical Congress, October 21-23, Hanoi, Vietnam. (Keynote Speaker, Medicinal Chemistry and Natural Products Minisymposium “Prediction of scorpion toxin functional properties from primary sequence”).
- 7th European Conference on Principles and Practice of Knowledge Discovery in Databases ECML/PKDD-2003, Workshop on Data Mining and Text Mining for Bioinformatics, September 22-26, Dubrovnik, Croatia. (Member Program Committee).

11th International Conference on Intelligent Systems for Molecular Biology (ISMB-2003) Brisbane, Australia, June 29 - July 3, 2003. (Invited Tutorial “Biological Data Warehousing”).
Colloque 2003, Les nouvelles technologies aux service de la Biologie et de la Santé (New technologies in the service of biology and health), 25-26 April 2003, Poitiers, France (Invited Plenary Speaker “Immunomics – the New Immunology”).
8th International Conference on Database Systems for Advanced Applications (DASFAA 2003). 26 - 28 March, 2003, Kyoto, Japan. (Member Program Committee).
Joint Singapore-Canada workshop The Interface of Biology with Information Technology, March 17-18, 2003, Singapore (Member Organising Committee, Invited Plenary Speaker)
2nd Conference on Interoperability of Biological Data, “BioWare -a Framework for Biological Data Warehousing” March 3, 2003, Mishima, Japan (Invited Plenary Speaker).
2nd Asian Joint Workshop for Protein Informatics “Modelling Promiscuous HLA-peptide Interactions”. February 27-28, 2003, Osaka, Japan (Invited Plenary Speaker).
13th Workshop on Genome Informatics, Dec 16-18, 2002 Tokyo, Japan. (Member Program Committee).
FIMSA Advanced Course and Conference: Molecular Mechanisms of Infection and Immunity, Oct 21-25, 2002 Ayuttaya, Thailand. (Invited Tutorial “Bioinformatics for Immunology”).
Immunoinformatics: Bioinformatics Strategies for Better Understanding of Immune Function. Novartis Foundation Symposium 254, Oct 8-10, 2002 London, UK. (Invited Plenary Speaker, Conference Co-convenor)
6th NUS-NUH Annual Scientific Meeting. Aug 14, 2002, Singapore (Invited Plenary Speaker).
Bioinformatics and Protein Interactions Workshop Jun 10-12, 2002, Singapore. (Conference Chair).
Myelin Structure and its Role in Autoimmunity (MARIE). Jun 5-8, 2002, Potenza, Italy. (Invited Tutorial and Invited Plenary Speaker).
Workshop on protein interaction and clinical data analysis May 27-31, 2002, Singapore. (Invited Plenary Speaker).
FANTOM2 (Functional Annotation of Mouse Transcriptome) Cherry Blossom Meeting, Apr 29-May 4 2002, Yokohama, Japan. (Poster, Annotator).
The S* Bioinformatics Education Symposium (BioED 2002), Mar 11, 2002, Singapore. (Invited Plenary Speaker).
International Conference on Bioinformatics (InCoB 2002), Feb 5-8 2002 (pre-conference workshop), Bangkok, Thailand. (Invited Tutorial).
12th Workshop on Genome Informatics, Dec 17-19, 2001 Tokyo, Japan. (Member Program Committee).
31st Annual Scientific Meeting, Australasian Society of Immunology, Dec 2-6, 2001 Canberra, Australia. (Keynote Speaker).
BioMedical 2001, Sep 19-21, 2001 Singapore. (Poster)
World Chemistry Congress, Jul 1-6, 2001 Brisbane, Australia. (Oral Presentation).

1987-2000

11th Workshop on Genome Informatics, Dec 13-15, 2000, Tokyo, Japan. (Poster).
8th International Conference on Intelligent Systems for Molecular Biology (ISMB-00), Aug 19-23 2000, San Diego, California, USA. (Poster).
CBI Millenium Symposium. Chem-Bio Informatics Society. 26-28 July, 2000, Tokyo, Japan. (Poster).
10th Workshop on Genome Informatics, Dec 13-15, 1999, Tokyo, Japan. (Poster).
29th Annual Meeting of the Japanese Society of Immunology, Nov 30-Dec 3, 1999, Kyoto, Japan. (Poster and Oral Presentation).
8th Asian Chemical Congress, Taipei, Taiwan, 21-24 November 1999 (Invited Plenary Speaker).

6th International Conference on Neural Information Processing ICONIP'99, 16-20 November 1999, Perth, Australia, (Oral Presentation).

BioInformatics 21. The 4th Annual Symposium on BioInformatics, BioInformatics Centre, National University of Singapore, 26-27 October, 1999. (Speaker).

International Joint Conference on Neural Networks IJCNN'99. July 10-16, 1999, Washington, DC, USA. (Speaker and Poster).

Symposium: Trends in Knowledge Discovery from Databases, Singapore, 29th June 1999. (Speaker, Program Committee Member).

Mini Symposium: "BioInformatics in Aiding Experimental Research", Singapore, 16 March, 1999. (Speaker, Chair Panel Discussion).

American Medical Informatics Association Annual Symposium AMIA 1998, Buena Vista Palace, Walt Disney World Resort, Florida, USA, 7-11 November, 1998.

3rd Australian Peptide Conference "From Discovery to Therapeutics", Laguna Quays, The Whitsundays, Queensland, Australia, 4-9th October, 1998. (Invited Plenary Speaker).

BioMedInfo Singapore '98, Singapore, 29-30 September 1998. (Speaker).

5th International Symposium on Dendritic Cells in Fundamental and Clinical Immunology, Pittsburgh, Pennsylvania, 23-28th September 1998.. Journal of Leukocyte Biology F32, Suppl. 2.

IXth International Congress of Parasitology ICOPA IX, Makuhari Chiba, Japan, August 24-28, 1998.

15th National Conference on Artificial Intelligence AAAI-98, Madison, Wisconsin, USA, 26-31 July 1998. Workshop "Knowledge Sharing across Biological and Medical Knowledge Based Systems" (Invited Plenary Speaker).

6th International Conference on Intelligent Systems for Molecular Biology (ISMB-98) Montreal, Canada, June 28 - July 1 1998. (Invited Tutorial).

46th Annual Meeting of The American Society of Tropical Medicine and Hygiene, Lake Buena Vista, Florida, USA, 7-11 December 1997.

27th Annual Scientific Meeting of the Australasian Society for Immunology (ASI 97), Perth, Australia, 31 November - 7 December 1997.

13th European Immunology Meeting, Amsterdam, 22-25 June 1997. (Poster).

5th International Conference on Intelligent Systems for Molecular Biology (ISMB-97) Halkidiki, Greece, 21-25 June 1997. (Speaker).

2nd Congress of the Immunology of Diabetes Society, Canberra, 8-11 December 1996.

1st Congress of Federation of Immunological Societies of ASIA-Oceania (FIMSA), Adelaide, 1-5 December 1996.

1st Electronic Molecular Modelling and Graphics Society Conference (MGMS EC 1). Internet conference. 7-18 October 1996.

2nd CSIRO Symposium "Computational Challenges in Life Sciences". Melbourne, Australia, 5-7 February 1996. (Speaker).

25th Annual Scientific Meeting of the Australasian Society for Immunology (ASI 95), Gold Coast, Australia, 3-7 December 1995. (Speaker, Poster).

4th International Workshop on the Molecular and Cell Biology of Autoantibodies and Autoimmunity, Melbourne, Australia. 15-18 November 1995. (Poster).

1st Australian Conceptual Structures Workshop. University of New England, Armidale, New South Wales, Australia. 22 November 1994. (Speaker).

2nd Australian Conference on Complex Systems (Complex94). University of Central Queensland, Rockhampton, Queensland, Australia, 26-28 September 1994. (Speaker).

2nd IFAC/IFIP Workshop on Experience with the Management of Software Projects. Sarajevo, Yugoslavia. 27-29 September 1988. (Speaker).

The East and West Combined Orthopaedic Meeting. Belgrade, Yugoslavia. 11-16 September 1988. (Speaker).

XXIIth Yugoslav Conference of ETAN, Sarajevo, Yugoslavia, 1988.

2nd International Symposium "Automaton and Robot", Belgrade, Yugoslavia. 27-29 October 1987.
(Speaker).