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Robert Moss

Appointments 2012-2014	Duke University, USA Visiting Assistant Professor, Department of Mathematics.
2012 2014	CNRS, France
2010-2012	Postdoc, IR4M CNRS UMR8081, Université Paris-Sud.
	University of Melbourne, Australia
2009-2010	Research Officer, Melbourne School of Population and Global Health.
Education	University of Melbourne, Australia
2005-2008	PhD, Renal modelling.
	Stawell Scholarship recipient, 2008
2000 2004	Australian Postgraduate Award Description (Proceedings of the Proceedings of the Proceedings of the Proceedings of the Proceedings of the Procedure o
2000-2004	BSc(Pure Maths), BE(Software, First Class Honors)
Publications	Peer-reviewed journal articles
Under Review	Moss & Layton. "Dominant factors that govern pressure natriuresis in diure-
	sis and antidiuresis: a mathematical model", AJP Renal.
Jan 2014	Moss & Thomas. "Hormonal regulation of salt and water excretion: a mathe-
	matical model of whole-kidney function and pressure-natriuresis", <i>AJP Renal</i> 306(2): F224–248. Selected for an Editorial Focus article (link)
Dec 2012	Dafilis et al. "Drivers and consequences of influenza antiviral resistant-strain
200 2012	emergence in a capacity-constrained pandemic response", <i>Epidemics</i> 4(4):
	219–226.
Jun 2012	Moss et al. "Virtual Patients and Sensitivity Analysis of the Guyton Model
	of Blood Pressure Regulation: Towards Individualized Models of Whole-Body
Amr 2012	Physiology", PLoS Comp Biol 8(6): e1002571. Bolton et al. "An analysis of the likely effectiveness of pharmaceutical and
Apr 2012	non-pharmaceutical interventions for mitigating influenza transmission in
	Mongolia", Bull WHO 90(4): 264–271.
Oct 2011	Hernández et al. "Integration of detailed modules in a core model of body
	fluid homeostasis and blood pressure regulation", <i>Prog Biophys Mol Biol</i> 107(1):
	169–182.
May 2011	McCaw et al. "A decision support tool for evaluating the impact of a diagnostic-capacity and antiviral-delivery constrained intervention strategy
	on an influenza pandemic", <i>Influenza Other Respi Viruses 5(Suppl. 1): 212–215.</i>
Feb 2011	Moss et al. "Diagnosis and Antiviral Intervention Strategies for Mitigating an
	Influenza Epidemic", PLoS ONE 6(2): e14505.
Nov 2009	Moss et al. "Discrete network models of interacting nephrons, Physica D
	238(22): 2166–2176.
May 2009	Moss et al. "A computational model for emergent dynamics in the kidney,
May 2009	Phil. Trans. R. Soc. A 367(1896): 2125–2140. Harris et al. "The Virtual Kidney: an e-Science interface and Grid Portal",
111ay 2009	Phil. Trans. R. Soc. A 367(1896): 2141–2159.

Presentations	Conferences
May 2011	French Society of Theoretical Biology (presented in French).
	Autrans, France.
Apr 2010	NSW Epidemiology Special Interest Group.
	NSW Department of Health.
Mar 2010	MISMS Oceania Regional Influenza Meeting.
	Melbourne Business School.
Dec 2009	NHMRC H1N1 workshop.
	Canberra, ACT.
Sep 2008	UK e-Science 2008 All Hands Meeting.
	University of Edinburgh, Scotland.
Jul 2007	Complex 07: 8th Asia-Pacific Complex Systems Conference.
	Gold Coast, Queensland.
	Best Talk in Track.
Feb 2007	The Kidney: Cellular, Tubular, and Vascular Physiology.
	Mathematical Biosciences Institute, Ohio State University.
	Seminars
Aug 2013	Department of Biomedical Physiology and Kinesiology,
7.0g 2013	Simon Frasier University.
Sep 2009	Department of Nephrology, Austin Hospital.
May 2009	Mathematics Department, University of Melbourne.
Dec 2008	Laboratory IBISC, Université d'Evry Val d'Essonne.
Aug 2008	PhD Completion Seminar.
7 tag 2000	Department of Computer Science and Software Engineering.
	University of Melbourne.
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	Posters
Apr 2013	Experimental Biology 2013.
Apr 2012	Experimental Biology 2012.
Apr 2011	Experimental Biology 2011. VPH 2010 Annual Conference.
Sep 2010	VPH 2010 Annual Conference.
Tarabian	Lastonen
Teaching	Lecturer Multipopiala Calculus Dula Hairanaitu
2013	Multivariable Calculus, Duke University
	Team Supervisor
2007-2008	Software Engineering Project, University of Melbourne
	Tutor
2005-2008	Software Engineering Methods & Testing, University of Melbourne
2001-2004	Software Engineering Principles & Tools, University of Melbourne
Grants & Awards	
2010	The Origins of Renal Physiology, MDIBL.
2008	Stawell Scholarship recipient.
Professional Service	Manuscript Reviewer
	American Journal of Physiology – Renal Physiology
	BMC Infectious Diseases
	Mathematical Medicine & Biology
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References	Available upon request

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