

## Sean D. Lawley - 2013-14 version - posted as example for current students

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CONTACT INFORMATION	Mathematics Department Duke University, Box 90320 Durham, NC 27708-0320	(555) 555-5555 lawley@math.duke.edu www.math.duke.edu/~lawley
RESEARCH INTERESTS	Probability and Stochastic Processes, Dynamical Systems, Mathematical Biology, Analysis, Biochemistry	
EDUCATION	<b>Duke University</b> Ph.D., Mathematics with Certificate in College Teaching, May 2014 <i>Stochastic Switching in Evolution Equations</i> Advisors: Michael C. Reed and Jonathan C. Mattingly M.A., Mathematics, 2011 <b>Carnegie Mellon University</b> B.S., Computational Finance, 2009	
PUBLICATIONS AND PREPRINTS	<b>SD Lawley</b> , JC Mattingly, MC Reed. Stochastic switching in infinite dimensions with applications to random parabolic PDEs, submitted, (arXiv:1407.2264). <b>SD Lawley</b> , JC Mattingly, MC Reed. Sensitivity to switching rates in stochastically switched ODEs. <i>Commun. Math. Sci.</i> , 12(7), 2014. <b>SD Lawley</b> , J Yun, M Gamble, M Hall, MC Reed, HF Nijhout. Mathematical modeling of the effects of glutathione on arsenic methylation. <i>Theoretical Biology and Medical Modelling</i> , May 2014. <b>SD Lawley</b> , M Cinderella, M Hall, M Gamble, HF Nijhout, MC Reed. Mathematical model insights into arsenic methylation. <i>Theoretical Biology and Medical Modelling</i> , August 2011.	
PRESENTATIONS	Invited talk at SIAM Conference on the Life Sciences Charlotte, North Carolina	August 2014
	Invited talk at Duke Probability Seminar Mathematics Department, Duke University	December 2013
	Invited talk at Utah Mathematical Biology Seminar Mathematics Department, University of Utah	October 2013
	Contributed poster at Superfund Research Program Annual Meeting Louisiana State University	October 2013
	Contributed talk at 33rd SEAR-Conference on Differential Equations Mathematics Department, University of Tennessee	September 2013
	Invited talk at SIAM Conference on Applications of Dynamical Systems Snowbird, Utah	May 2013
	Invited talk at Duke University Mathematical Biology REU Mathematics Department, Duke University	May 2013

HONORS AND SUPPORT	L.P. and Barbara Smith Award for Teaching Excellence	2013
	NSF Research Training Grant DMS-0943760	2010-2014
	Howard Hughes VIP Program (summer stipend)	2010 and 2013
	Phi Beta Kappa Honor Society	2009
	Phi Kappa Phi Honor Society	2009
	Undergraduate University Honors	2009
TEACHING EXPERIENCE	<b>Courses taught as full instructor</b>	
	<i>Math in Genetics and Genomics</i> , Duke University	Spring 2014 and Spring 2013
	Redesigned the course: created new syllabus, chose new textbook, added research projects and student presentations.	
	<i>Laboratory Calculus I</i> , Duke University	Fall 2011
	<b>Undergraduate research mentored</b>	
	Jina Yun (Duke University, class of 2015).	Summer 2013
	Co-mentored with two Duke University professors. Our work modeling arsenic detoxification is being prepared for publication.	
	Andrew Gao (Duke University, class of 2016).	Summer 2013
	Co-mentored during a mathematical biology REU on a cancer modeling project.	
	Project title: <i>Modeling the inhibition of angiogenesis</i> .	
	Charnelle Bland (Emory University, class of 2014) and Kirsten Bell (Wheaton College, class of 2015).	Summer 2012
	Mentored both students during a mathematical biology workshop held at Duke University.	
	Project title: <i>Arsenic poisoning in Bangladesh and mathematical experimentation</i> .	
	Priyanka Nadar (Mary Baldwin College, class of 2012).	Summer 2011
	Co-mentored during a mathematical biology workshop held at Duke University.	
	Project title: <i>Mathematical insights into arsenic poisoning in Bangladesh</i> .	
	Molly Cinderella (Duke University, class of 2012).	Summer 2010
	Co-mentored with two Duke University professors. Our work modeling arsenic poisoning in Bangladesh was published in <i>Theoretical Biology and Medical Modelling</i> .	
	<b>Other teaching experience</b>	
	Instructor for qualifying exam review, Duke University, August 2012 and 2011. Chosen by faculty to teach weeklong intensive reviews of real analysis for incoming math PhD students.	
	Tutor in math help room, Duke University, Fall 2011 and Fall 2009. Tutored two hours a week.	
	TA for <i>Laboratory Calculus and Functions I</i> , Duke University, Fall 2009. Led weekly math laboratory sessions and graded homework.	
	TA for <i>Integration, Differential Equations and Approximation</i> , Carnegie Mellon University, Spring 2009. Led twice-weekly recitation classes and graded homework and exams.	
	TA for <i>Differential and Integral Calculus</i> , Carnegie Mellon University, Fall 2008. Led twice-weekly recitation classes and graded homework and exams.	
SERVICE	Journal Reviewer for Discrete and Continuous Dynamical Systems - Series B.	
	Lectures to high school math students, Riverside High School, Durham, NC, May 2013 and 2014.	
	Lectures to middle school math students, Central Middle School, Melbourne, FL, November 2010.	
PROFESSIONAL MEMBERSHIPS	Society for Industrial and Applied Mathematics	
	Society for Mathematical Biology	