

CURRICULUM VITÆ

FULL NAME: Joseph Daniel Romano

CURRENT POSITION: PhD Student,
Graduate Research Assistant

INSTITUTION: Columbia University Medical Center

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LAST UPDATED: Tuesday 28th June, 2016

EDUCATION

2014–present **Doctor of Philosophy** — Prospective (Biomedical Informatics)
Thesis advisor: Nicholas Tatonetti, PhD
Columbia University; New York, NY

2014–present **Master of Philosophy** — Prospective (Biomedical Informatics)
Columbia University; New York, NY

2010–2014 **Bachelor of Science** (Molecular Genetics)
Research Advisor: Neil Sarkar, PhD, MLIS, FACMI
University of Vermont; Burlington, VT

2011–2012 International Student Exchange Program
C.I.E.L.D. (国際関係学部国際教育センター)
Nihon University; Mishima, Shizuoka prefecture, Japan

2009–2010 Molecular Genetics
Undergraduate Program in Biology and Medicine
University of Rochester; Rochester, NY

PUBLICATIONS

1. **Romano JD**, Tharp WG, Sarkar IN. “Exploring Complex Disease Gene Relationships Using Simultaneous Analysis.” *UVM Honors College Senior Theses*. 2014.
2. **Romano JD**, Tharp WG, Sarkar IN. “Adapting Simultaneous Analysis Phylogenomic Techniques to Study Complex Disease Gene Relationships.” *Journal of Biomedical Informatics*; 2014 Apr;(54):10–38.
3. **Romano JD**, Tatonetti NP. “VenomKB, a new knowledge base for facilitating the validation of putative venom therapies.” *Scientific Data*; 2015 Nov;(2):65.
4. Boland MR, Jacunski A, Lorberbaum T, **Romano JD**, Moskovitch R, Tatonetti NP. “Systems Biology Approaches for Identifying Adverse Drug Reactions and Elucidating Their Underlying Biological Mechanisms.” *WIREs Systems Biology and Medicine*; 2016 Mar;8(2):104–22.
5. **Romano JD**, Tatonetti NP. “Using a Novel Ontology to Inform the Discovery of Therapeutic Peptides from Animal Venoms.” *Proceedings of the AMIA Joint Summits on Translational Science (Runner-up, TBI student paper competition)*.; 2016.

CONFERENCE PRESENTATIONS and TALKS

- 2016 **Building a Centralized Resource for Computational Venom Research**, *National Library of Medicine Informatics Training Conference 2016*, The Ohio State University College of Medicine; Columbus, OH
- 2015 **Venom Peptides as Therapeutic Agents: Can we use Phylogenetics to Inform Drug Discovery?**, *13th Annual Rocky Mountain Bioinformatics Conference*, International Society for Computational Biology; Aspen, CO
- 2015 **Data-Driven Clinical Research Generalizability Assessment and Improvement**, *8th Annual Mid-Atlantic Healthcare Informatics Symposium*, Department of Biomedical and Health Informatics, The Children's Hospital of Philadelphia; Philadelphia, PA
- 2015 **Computational Prediction of Therapeutic Uses for Venom Compounds**, *Research Seminar Series in Biomedical Informatics*, Columbia University Department of Biomedical Informatics; New York, NY
- 2015 **Observational Health Data Sciences and Informatics (OHDSI)**, *Innovation and Application @ Columbia*, Columbia University Data Science Institute; New York, NY

FELLOWSHIPS and GRANT SUPPORT

- 2015-present **NLM T15 Training Fellow**, National Library of Medicine

HONORS and AWARDS

- 2010–2014 **Honors Scholar**, University of Vermont Honors College
- 2010–2014 **Vermont Scholar**, University of Vermont
- 2009 **AP Scholar with Honors**, College Board
- 2009 **National Merit Scholar**, National Merit Scholarship Corporation
- 2009 **Eagle Scout**, Boy Scouts of America

BOARD and COMMITTEE APPOINTMENTS

- 2014 **Committee Member**, “Year In Review: Informatics in the Media 2014” *Student Review Committee*, American Medical Informatics Association Annual Symposium; Washington, D.C.
- 2015 **Assistant Editor**, *Editorial Committee*, 15th World Congress on Health and Biomedical Informatics; São Paulo, Brazil
- 2015-present **Communications and Social Media Coordinator**, *AMIA Genomics and Translational Bioinformatics Working Group*, American Medical Informatics Association

REVIEW ACTIVITIES

AMIA Summit on Translational Bioinformatics
IEEE International Conference on Healthcare Informatics
Nature Scientific Reports
Pacific Symposium on Biocomputing
World Congress on Health and Biomedical Informatics

PROFESSIONAL MEMBERSHIPS and AFFILIATIONS

2014–present International Society for Computational Biology
 2014–present New York Academy of Sciences
 2014–present American Association for the Advancement of Science
 2012–present American Medical Informatics Association (AMIA)
 2011–2014 Alpha Zeta academic honors fraternity
 2011–2014 UVM Biochemistry Society

WORK EXPERIENCE

2010–2014 **Level IV Lead Technician**, *University of Vermont Enterprise Technology Services*; Burlington, VT.
 Student management position at a walk-in software support clinic and telephone computing helpline serving all students, faculty, and staff at the University of Vermont.

2007–2014 **Front Desk Manager**, *Cedarbrook at Killington / North Star Lodge*; Killington, VT.
 Oversaw all aspects of customer service at a timeshare resort. Includes answering phone calls, checking in/out guests, auditing the resort, and overseeing property maintenance.

Summer 2010 **Desktop Support Technician**, *Central Vermont Public Service*; Rutland, VT.
 Summer internship providing software and hardware support for all CVPS employees, as well as maintaining and troubleshooting the company's enterprise-level network.

2009–2010 **IT Technician**, *University of Rochester ITS*; Rochester, NY.
 Provided desktop support to faculty, staff, and students of the University of Rochester. Additionally, managed computing lab facilities available to University affiliates.

TEACHING EXPERIENCE

Spring 2014 *Linux and UNIX Operating Systems*.
 UVM Enterprise Technology Services, UVM TechTeam; Burlington, VT.

Spring 2012 *MMG 104 — Introduction to Recombinant DNA Technology* (Teaching Assistant).
 UVM Department of Microbiology and Molecular Genetics; Burlington, VT.

Fall 2011 English Language Teaching Assistant.
 Nihon University College of International Relations; Mishima, Japan.