<div align="center">**CURRICULUM VITÆ**</div>

FULL NAME:	Joseph Daniel Romano
CURRENT POSITION:	PhD Student, Graduate Research Assistant
INSTITUTION:	Columbia University Medical Center
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LAST UPDATED:	Friday 21$^{\text{st}}$ April, 2017

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." *AMIA Joint Summits on Translational Science Proceedings (Second place, TBI student paper competition).*; 2016 Jul;(2016):209-18.

CONFERENCE PRESENTATIONS and TALKS

2017   **High-sensitivity Stroke Phenotyping using Recurrent Neural Networks**, *AMIA Joint Summits on Translational Science 2017*, American Medical Informatics Association; San Francisco, CA

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; Philadelpha, 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

2015-2017   **NLM T15 Training Fellow**, National Library of Medicine

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TEACHING EXPERIENCE

Spring 2017   *BINF G4003 — Methods II: Symbolic Methods* (Teaching Assistant).
Columbia University; New York, NY.

Fall 2016   *BINF G4006 — Translational Bioinformatics* (Guest Lecturer – 2 lectures).
Columbia University; New York, NY.

Fall 2016   *BINF G4000 — Acculturation to Programming and Statistics* (Teaching Assistant).
Columbia University; New York, NY.

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).
University of Vermont; Burlington, VT.

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

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 Annual Symposium
AMIA Joint Summits on Translational Science
IEEE International Conference on Healthcare Informatics
Nature Scientific Reports
Pacific Symposium on Biocomputing
World Congress on Health and Biomedical Informatics

PROFESSIONAL MEMBERSHIPS and AFFILIATIONS

2017–present	American Society of Clinical Pharmacology and Therapeutics
2016–present	International Society on Toxinology
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.