Nicholas Giangreco

- nick.giangreco@gmail.com
- GitHub

RESEARCH

- Biomedical Data Science

- Analysis of high throughput biomedical data: RNA sequencing, Proteomics

- Systems Pharmacology and Disease Comorbidity in Electronic Health Records

- Programming Languages: R, Python, bash

EDUCATION

Columbia University; New York, NY

PhD Candidate in Systems Biology, Anticipated Summer 2020

PhD advisor: Nicholas Tatonetti

University of Rochester; Rochester, NY

Bachelor of Science in Biochemistry, May 2014

WORK EXPERIENCE

National Human Genome Research Institute Bethesda, MD

Post-baccalaureate Trainee August 2014-August 2016

Special Volunteer August 2016-Present

Principal Investigator: Dr. Laura Elnitski.

- Molecular events during tumorigenesis of murine ovarian tumor subtypes differing in deletion of tumor suppressor genes

- RNA sequencing, DNA methylation sequencing, and their integration.

FELLOWSHIPS AND AWARDS

- Columbia Diversity Fellowship

- Department of Systems Biology Merit Fellowship

- Donald Charles Award, University of Rochester Department of Biology

- Fulbright Fellowship Alternate 2013-2014: Sweden, Molecular Modeling, "Novel Antibody-SpA Complex Modeling".

- Travel Award to 9th Student Council and ISMB/ECCB conference 2013 Berlin, Germany.

PUBLICATIONS

- Sarah Kim-Hellmuth, Matthias Bechheim, Benno Puetz, Pejman Mohammadi, Yohann Nedelec, **Nicholas Giangreco**, Jessica Becker, Vera Kaiser, Nadine Fricker, Esther Beier, Peter Boor, Stephane Castel, Markus M. Noethen, Luis B. Barreiro, Joseph K. Pickrell, Bertram Mueller-Myhsok, Tuuli Lappalainen, Johannes Schumacher, Veit Hornung. **Genetic regulatory effects modified by immune activation contribute to autoimmune disease associations** *(bioarxiv)*
- **Giangreco N.**, Petrykowska H., Scott A., Margolin G., Gotea V., Cho K. R., and Elnitski L. **Inactivation of Arid1a drives aberrant epigenetic traits in a mouse model of Apc/Pten defective ovarian endometrioid tumors.** In preparation. *(in preparation)*

CONFERENCES AND HACKATHONS

- NCBI Hackathon @ New York Genome Center June 2017
- NCBI Hackathon @ NCBI March 2017
- CSHL Biological Data Science meeting October 2016
- JHU DaSH Hackathon September 2015
- ISMB/ECCB conference @ Berlin, Germany July 2013