

Nicholas Giangreco

Email

Links

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## 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** *Nature Communications*

- **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)*

## 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

## COMMUNITY INVOLVEMENT

- NYC MeetUps
  - [AI @ Columbia University Medical Center](#)
  - [Data Storytelling](#)
  - [Statistical programming](#)
- [CUMC Data Science Study Group](#)