

ARJUN BIDDANDA

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Department of Human Genetics
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RESEARCH INTERESTS

Population Genomics, Statistical Genetics, Ancient DNA

EDUCATION

2015 - Present PhD · Human Genetics · University of Chicago
Advisor: John Novembre

2011 - 2015 BS · Computer Science (*Cum Laude*) · Cornell University
Advisor: Alon Keinan

PUBLICATIONS

* - indicates equal contribution

Charleston W K Chiang, Joseph H Marcus, Carlo Sidore, **Arjun Biddanda**, Hussein Al-Asadi, Magdalena Zoledziewska, Maristella Pitzalis, Fabio Busonero, Andrea Maschio, Giorgio Pistis, Maristella Steri, Andrea Angius, Kirk E Lohmueller, Goncalo R Abecasis, David Schlessinger, Francesco Cucca, and John Novembre. Genomic history of the Sardinian population. *Nature Genetics*, 2018.

Peter de Barros Damgaard, Rui Martiniano, Jack Kamm, J Víctor Moreno-Mayar, Guus Kroonen, Michaël Peyrot, Gojko Barjamovic, Simon Rasmussen, Claus Zacho, Nurbol Baimukhanov, Victor Zaibert, Victor Merz, **Arjun Biddanda**, Ilja Merz, Valeriy Loman, Valeriy Evdokimov, Emma Usmanova, Brian Hemphill, Andaine Seguin-Orlando, Fulya Eylem Yediay, Inam Ullah, Karl-Göran Sjögren, Katrine Højholt Iversen, Jeremy Choin, Constanza de la Fuente, Melissa Ilardo, Hannes Schroeder, Vyacheslav Moiseyev, Andrey Gromov, Andrei Polyakov, Sachihiro Omura, Süleyman Yücel Senyurt, Habib Ahmad, Catriona McKenzie, Ashot Margaryan, Abdul Hameed, Abdul Samad, Nazish Gul, Muhammad Hassan Khokhar, O I Goriunova, Vladimir I Bazaliiskii, John Novembre, Andrzej W Weber, Ludovic Orlando, Morten E Allentoft, Rasmus Nielsen, Kristian Kristiansen, Martin Sikora, Alan K Outram, Richard Durbin, and Eske Willerslev. The first horse herders and the impact of early Bronze Age steppe expansions into Asia. *Science*, 2018.

Yedaël Y Waldman*, **Arjun Biddanda***, Natalie R Davidson, Paul Billing-Ross, Maya Dubrovsky, Christopher L Campbell, Carole Oddoux, Eitan Friedman, Gil Atzmon, Eran Halperin, and Others. The genetics of Bene Israel from India reveals both substantial Jewish and Indian ancestry. *PLoS One*, 11(3):e0152056, 2016.

Yedaël Y Waldman, **Arjun Biddanda**, Maya Dubrovsky, Christopher L Campbell, Carole Oddoux, Eitan Friedman, Gil Atzmon, Eran Halperin, Harry Ostrer, and Alon Keinan. The genetic history of Cochin Jews from India. *Human Genetics*, pages 1–17, 2016.

Feng Gao*, Diana Chang*, **Arjun Biddanda***, Li Ma, Yingjie Guo, Zilu Zhou, and Alon Keinan. XWAS: a software toolset for genetic data analysis and association studies of the X chromosome. *Journal of Heredity*, 106(5):666–671, 2015.

TEACHING EXPERIENCE

Winter 2018 Teaching Assistant, *University of Chicago*
HG 486: Fundamentals of Computational Biology

Summer 2017 Course Assistant, *University of Chicago*
Marine Biological Laboratory - Quantitative Approaches to Biology Bootcamp

Spring 2017 Teaching Assistant, *University of Chicago*
HG 469: Human Variation and Disease

2016 - present Instructor, *Software Carpentry*

2013 - 2015 Teaching Assistant, *Cornell University*
CS 3110 : Functional Programming and Data Structures

INDUSTRY EXPERIENCE

2013 Software Engineering Intern
Guidewire Software

HONORS / AWARDS

2017 Honorable Mention
NSF Graduate Research Fellowship

2015-2018 NIH Genetics and Regulation Training Grant
University of Chicago

2013 - 2015 Dean's List
Cornell University College of Engineering

2011 - 2015 Service Scholarship
United States Tennis Association

COMPUTATIONAL SKILLS

Python, Bash, C++ , R, Java, OCaml
Git, \LaTeX , Microsoft Office

SOCIETY MEMBERSHIPS

American Society of Human Genetics (ASHG)