

Cecilia Sena

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Education

- 2023 – Present Ph.D. *in progress*, Evolutionary Anthropology
University of New Mexico
Advisor: Dr. Ian Wallace
- 2019 B.A., Evolutionary Biology of the Human Species & Ethnicity and Race Studies
Columbia University
Thesis: *Evaluating the taxonomic status of the “robust” australopithecines: a comparative analysis with papionins*
Thesis Advisor: Dr. Christopher Gilbert

Employment History

- Graduate Teaching Assistant, 2024 – present, University of New Mexico
BIOL419/519/ANTH350/550 Human Genetics and Genomics, Instructor: Dr. Jeffrey Long
- Graduate Research Assistant, 2023 – present, University of New Mexico
Maxwell Museum of Anthropology
- Research Associate, 2019 – 2023, Columbia University Irving Medical Center
Thaker Lab, Division of Molecular Genetics

Professional Recognition and Honors

- Graduate Research Fellow, National Science Foundation, 2024 – 2029
- Hibben Recruitment Fellow, University of New Mexico, 2023 – 2025
- Department of Ecology, Evolution, and Environmental Biology Thesis Prize,
Columbia University, 2019

Scholarly Achievements

Articles Appearing in Chapters in Edited Volumes

Frost SF, **Sena CMT**, and Gilbert CC (in press). Plio-Pleistocene cercopithecoid evolution and biogeography: a contemporaneous comparison with Paranthropus. In: Constantino PJ, Reed KE, Wood BA (Eds.), *The Forgotten Lineage(s): Paelobiology of Paranthropus*

Articles Published in Refereed Journals

Sena C, Iannello G, Skowronski AA, Dannheim K, Cheung L, Agrawal PB, Hirschhorn JN, Zeitler P, LeDuc CA, Stratigopoulos G and Thaker VV, 2022. Endocrine and behavioural features of Lowe syndrome and their potential molecular mechanisms. *Journal of Medical Genetics*.

Sena C, Ohene-Adjei M, Deng S, Patibandla N, May B, de Ferranti SD, Starc TJ and Thaker VV, 2022. Lack of age-appropriate reference intervals causing potentially missed alerts in clinical reports of dyslipidemia. *The Journal of Pediatrics*.

Chen X, Deng S, **Sena C**, Zhou C and Thaker, VV, 2021. Relationship of TSH levels with cardiometabolic risk factors in US youth and reference percentiles for thyroid function. *The Journal of Clinical Endocrinology & Metabolism*.

Iannello G, **Sena C**, Pais L, Seaby E, Sathanayagam R, Ebrahim N, Genetti C, Rajabi F, Schreiber J, Sutherland J, Turer E, Kurtovic- Kozaric A, Schmitz-Abe K, Felipe D, Picker J, Hirschhorn JN, Agrawal P, 2021. Genetic Study in a Cohort of Children With ROHHAD Syndrome. *Journal of the Endocrine Society*.

Other Scholarly Works

“Treatment of Patients Exhibiting Novel Phenotype Associated with Frameshift Mutation in *OCRL1*”
Provisional Patent No. 63/416,793

Filed October 17, 2022 by Columbia Technology Ventures on behalf of inventors

Vidhu Thaker, George Stratigopoulos, Charles LeDuc, Cecilia Sena, Grazia Iannello, Barbara Corneo

Contributed Abstracts and Oral Presentations at Professional Meetings

Expanding the phenotype of Osteogenesis Imperfecta (OI) XVIII
Tillotson C, Muthukumar A, **Sena C**, Pantrangi M, Ganapathi M, Thaker VV
Pediatric Endocrine Society Annual Meeting.
May 2023, San Diego, CA.

Genetic study in a cohort of children with ROHHAD Syndrome.
Sena C*, Genneti C, Iannello G, Pais L, Nguyen M, Agrawal P, Thaker VV.
Columbia University Irving Medical Center Department of Pediatrics Fellows Research Day.
May 2022, New York, NY.

Endocrine features of Lowe syndrome and their potential molecular mechanisms.
Sena C*, Iannello G, Skowronski AA, Dannheim K, Cheung L, Agrawal PB, Hirschhorn JN, Zeitler P, LeDuc CA, Stratigopoulos G and Thaker VV.
Pediatric Endocrine Society Annual Meeting.
April 2022, Virtual.

Impact of Covid-19 restrictions on children 5-13 years of age in New York City.

Sena C, Della Torre J, Thaker VV, Rausch J, Shamsian DV*.

Pediatric Academic Societies Meeting.

May 2021, Virtual.

Impact of COVID-19 related restrictions on eating behaviors and mental well-being of children 5-12 years of age in Middlesex County, NJ

Iofel E*, Quinn M, **Sena C**, Thaker V

North American Society for Pediatric Gastroenterology, Hepatology and Nutrition Annual Meeting

December 2021, Virtual.

Underdiagnoses of dyslipidemia in children by use of adult reference ranges.

Ohene-Adjei M, Deng S, **Sena C***, Pavlicova M, Starc T, Thaker VV.

New York City Regional Obesity Forum.

September 2019, New York, NY.

**presenting author*

Research

Research Funding

Graduate Research Fellowship
National Science Foundation
2024 – 2029
\$37,000 + \$16,000 COE per funded year

Evolutionary Anthropology Research Award
Department of Anthropology, University of New Mexico
Summer 2024
\$2,500

Professional Development Grant
Graduate and Professional Student Association, University of New Mexico
Spring 2024
\$305

Graduate Scholarship
New Mexico Higher Education Department
2023, 2024
\$7,200 per annum

Senior Thesis Grant
Columbia College, Columbia University
Fall 2018
\$250

Senior Thesis Research Grant
Department of Ecology, Evolution, and Environmental Biology, Columbia University
Summer 2018
\$3,000