

Juan Esteban RODRÍGUEZ CAMARGO

PERSONAL DATA

PLACE AND DATE OF BIRTH: Armenia-Quindío, Colombia | 26 January 1997
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WORK EXPERIENCE

10/2023-present | Postdoc at Columbia university, New York-US.
10/2022-09/2023 | Postdoc at Max Planck Institute for Mathematics, Bonn-Germany

EDUCATION

2019 - 2022 | Doctorat en mathématiques, **UMPA ENS de Lyon**. Lyon-France. Under the supervision of Prof. Vincent Pilloni
09/2018 - 09/2019 | Master II en mathématiques, **ENS de Lyon**. Lyon-France
01/2018 - 06/2018 | Master in Mathematics, **Universidad de los Andes**. Bogotá-Colombia (not finished)
2014 - 2017 | Bachelor in Mathematics, **Universidad Javeriana**. Bogotá-Colombia.
2013 | **Colegio San José**, High school diploma. Armenia-Colombia.

(PRE-)PUBLICATIONS

- 2023 | **Analytic de Rham stacks and derived rigid geometry** (preprint)
2023 | **Solid locally analytic representations** (joint with Joaquín Rodrigues Jacinto, submitted)
2022 | **Geometric Sen theory over rigid analytic spaces** (submitted)
2022 | **Locally analytic completed cohomology** (submitted)
2022 | **Solid locally analytic representations of p -adic Lie groups** (joint work with Joaquín Rodrigues Jacinto, Represent. Theory, 26 :962– 1024 (2022))
2021 | **p -adic Eichler-Shimura maps for the modular curve** (Compositio Mathematica, 159(6), 1214-1249 (2023))
2020 | **An integral model of the perfectoid modular curve** (Journal de l'École polytechnique - Mathématiques, Tome 8 (2021) , pp. 1193-1224)
2019 | **Induced character in equivariant K -theory and wreath products** (joint work with Mario Velásquez and Germán Combariza, Revista Colombiana de Matemáticas. Vol. 56. Núm 1 (2022))

CONFERENCES

- JUNE 2023 **Oberwolfach workshop: Algebraische Zahlentheorie.** Oberwolfach-Germany
- JUNE 2023 **Arbeitstagung on Condensed Mathematics.** Bonn-Germany
- JUNE 2023 **Conference on local Langlands and p -adic methods.** Bonn-Germany
- MARCH 2023 **Conference on Condensed Mathematics at CIRM.** Marseille-France
- NOVEMBER 2022 **Workshop in Lue Pan work's on locally analytic vectors of completed cohomology.** Colmar-France (talk on "differential operators of the locally analytic functions of the perfectoid modular curve")
- AUGUST 2022 **Community-building in the Langlands program (CLAP).** Bonn-Germany
- AUGUST 2021 **Arithmetic of Shimura varieties over global fields.** Cetraro-Italy
- NOVEMBER 2020 **Masterclass in condensed mathematics.** Copenhagen university (online)
- SEPTEMBER 2020 **Workshop on condensed mathematics.** ENS de Lyon. Couvant de la Tourette. With a talk about Solid abelian groups.
- AUGUST 2019 **Immeubles et grassmanniennes affines.** CIRM. Marseille- France

GRANTS AND AWARDS

- 2023 Junior Fellow in the Simons Society of Fellows at Columbia University
- 2018 - 2019 Bourse d'excellence Ampère à l'ENS de Lyon. Lyon- France
- 2018 I "Orden al mérito Académico Javeriano", given to students that, at the end of the bachelor's programme, have achieved outstanding final grades. Bogotá-Colombia
- AUGUST 2016 Scholarship in **Utrecht Summer School on geometry.** Utrecht University. Utrecht - The Netherlands
- SEPTEMBER 2016 **VIII Competição Iberoamericana Interuniversitária de Matemática,** Bronze medal. Universidad do estado do Amazonas. Manaus - Brazil.

SELECTED TALKS

- AUGUST 2023 **Oberseminar: MPIM** de Rham stacks in analytic geometry.
- AUGUST 2023 **Seminar on the Arithmetic of the Langlands Program** An introduction to geometric Sen theory.
- JUNE 2023 **Oberwolfach workshop: Algebraische Zahlentheorie** The analytic de Rham stack and a Jacquet-Langlands correspondence for locally analytic representations.
- JUNE 2023 **Arbeitstagung on Condensed Mathematics** The de Rham stack of rigid analytic spaces.
- JUNE 2023 **Conference on local Langlands and p -adic methods** A local Jacquet-Langlands correspondence for locally analytic D -modules.
- NOVEMBER 2022 **Paris-London seminar** Locally analytic representations and local Shimura varieties.
- AUGUST 2022 **Community-building in the Langlands program (CLAP)**. Locally analytic completed cohomology of Shimura varieties.
- JUNE 2022 **RAMPAGE seminar** Solid locally analytic representations of p -adic Lie groups.
- MAY 2022 **Séminaire GRFA (IMJ-PRG)** Locally analytic completed cohomology of Shimura varieties.
- MAY 2022 **Università Degli studi di Milano** Locally analytic completed cohomology of Shimura varieties.
- JANUARY 2022 **Séminaire LAGA (université Paris 13)** Locally analytic completed cohomology of Shimura varieties.
- NOVEMBER 2021 **Séminaire Mathjeunes** Solid locally analytic representations.
- SEPTEMBER 2021 **Seminario Latinoamericano de Teoría de Números (LATEN)** Un modelo integral de la curva modular perfecta.
- DECEMBER 2020 **Workshop in Higher Coleman theory, Montreal** Overconvergent dual Eichler-Shimura maps for the modular curves.
- NOVEMBER 2020 **Paris-London seminar** Overconvergent dual Eichler-Shimura maps for the modular curves.
- NOVEMBER 2020 **Study group on Hida and Coleman theories for the modular curve** (Hida theory talk).

TEACHING EXPERIENCE

- 2020-2021 **Chargé de TD à l'ENS de Lyon** (Algèbre 2 L3)
- 2019-2020 **Chargé de TD à l'ENS de Lyon** (Algèbre 2 L3 et algèbre avancé M1)

LANGUAGES

- SPANISH: Mother tongue
- ENGLISH: Fluent (B.2)
- FRENCH: B.1