

# Verónica Becher

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## Address

Professor Verónica Becher

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## Current Positions

**Full Professor** at Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires (Profesora Titular Plenaria)

**Principal Researcher** at Consejo Nacional Investigaciones Científicas y Técnicas (Investigadora Principal), Instituto de Ciencias de la Computación

**Team Leader** in the International Research Program SINFIN (formerly Laboratoire International INFINIS), Université de Paris, CNRS, UBA and CONICET.

**Director of Kapow research group**, Departamento de Computación, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires and Instituto de Ciencias de la Computación (ICC), CONICET.

Invited researcher at the Institut de Recherche en Informatique Fondamentale (IRIF), Université Paris Cité and CNRS, every year since 2002.

## Area of Specialization

Discrete Mathematics and Theoretical Computer Science: randomness, normal numbers, combinatorial problems on words.

Orcid <https://orcid.org/0000-0002-5425-8563>

Wikipedia [https://en.wikipedia.org/wiki/Ver%C3%B3nica\\_Becher](https://en.wikipedia.org/wiki/Ver%C3%B3nica_Becher)

Google Scholar [https://scholar.google.com.ar/citations?user=\\_7APZ6sAAAAJ&hl=en](https://scholar.google.com.ar/citations?user=_7APZ6sAAAAJ&hl=en)

Érdos number: 3

## Education

Licenciatura en Ciencias de la Computación, Universidad de Buenos Aires, 1990.

MSc. in Computer Science, University of British Columbia, Vancouver, Canada, 1993.

PhD. in Computer Science, Universidad de Buenos Aires, 1999.

## 5 Selected publications

V Becher, S Figueira. An example of a computable absolutely normal number. *Theoretical Computer Science* 270 (1-2), 947-958, 2002

V Becher, PA Heiber, TA Slaman. A polynomial-time algorithm for computing absolutely normal numbers. *Information and Computation* 232, 1–9, 2013

V Becher, Y Bugeaud, TA Slaman. On Simply Normal Numbers to Different Bases. *Mathematische Annalen* 364 (1), 125-150, 2016

V Becher, O Carton. Normal numbers and nested perfect necklaces. *Journal of Complexity* 54 (101403), 2019

N. Álvarez, V. Becher and M. Mereb. Poisson generic sequences, *International Mathematics Research Notices* 2023(24): 20970–20987, 2023.

70 journal publications and more than 70 invited talks.

## Responsibilities

Vice President (2020-2023) of the Division of Logic, Methodology, and Philosophy of Science and Technology (DLMPST) of the International Union of History and Philosophy of Science and Technology (IUHPST), a member union of the International Science Council (ISC).

Current editor of the *Journal of Complexity* since 2024 and the *Journal of Combinatorics and Number Theory* since 2021. Member of the Editorial Council of Ediciones Exactas (UBA's School of Exact and Natural Sciences) since 2024. Former editor of *Journal of Symbolic Logic* (2018-2024) and the *Journal of Logic, Language, and Information* (2005-2009).

Steering Committees of: Computability in Europe (CiE) conference series (2022-2026). Computability, Complexity, and Randomness (CCR) international conference (2004-2025)