



# INSTITUTE OF MATHEMATICS

## POLISH ACADEMY OF SCIENCES

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### Open call for a postdoc position in the NCN Sonata Bis Grant

Institute of Mathematics PAS announces a competition for a one-year postdoctoral position within the Sonata Bis project led by PI prof. dr. hab. Błażej Wróbel.

**Type:** postdoctoral position (postdoc)

**Project:** "Dimension-free estimates in harmonic analysis and beyond it", National Science Centre (NCN), Poland, Sonata Bis, No. 2022/46/E/ST1/00036

**Application deadline:** August 3<sup>rd</sup>, 2025 (23:59 CET)

**Expected start date:** between October 1<sup>st</sup> 2025 and January 1<sup>st</sup> 2026

#### Conditions:

1. Employment period: 12 months.
2. Salary: approximately 9500 PLN (gross) per month.
3. Place of work: Wrocław.

#### Requirements:

1. PhD in mathematics awarded no earlier than January 1<sup>st</sup>, 2018. Preference will be given to candidates who obtained PhD in mathematics not more than 2 years ago.
2. Research experience in harmonic analysis, real analysis, or related areas. Preference will be given to candidates who have worked on dimension-free estimates.
3. Scientific interests related to the project.
4. Good communication skills in English and knowledge of the LaTeX program.

#### Description of tasks:

Work on research task no. 1 entitled "Dimension-free estimates for continuous maximal operators". The research topics will include, among others, Hardy-Littlewood maximal operators with respect to balls and spheres. The goal of participation in the project is to write a paper or papers related to the aforementioned research task.

#### Required documents:

1. Scientific CV with a list of publications.
2. Research statement.
3. Two letters of recommendation.
4. Copy of the PhD diploma.
5. Consent to the processing of personal data.

**Candidate evaluation criteria:**

The selection of the candidate will be made by a committee with project's PI as its chair. Selected candidates may be interviewed. If no suitable candidates are found, the competition may remain unresolved. Candidates interested in the offer are requested to send the above-mentioned documents (in pdf format) by August 3<sup>rd</sup>, 2025 (23:59) to the email address: [bwrobel@impan.pl](mailto:bwrobel@impan.pl) (mail title: Postdoc contest 2 Sonata Bis). For more information about the postdoc position, please contact the PI.

Deputy Director  
for Scientific Matters  
Institute of Mathematics PAS

Prof. Piotr Nowak