

# SIMONS FOUNDATION

Advancing Research  
in Basic Science and Mathematics

## Targeted Grants to Institutes:

The program is intended to support institutions in the mathematics and physical sciences through funding to centers of excellence, to help establish scientific culture and strengthen contacts within the international scientific community.

## IMPAN has won 5 years grant for the program

### “Simons Semesters in Banach Center”

Electronic notification: January 29, 2015.

Award Number: 346300

Award Start Date: July 1, 2015,

Award End Date: December 31, 2019

#### **What we are going to do ...**

We want to establish a program: “Simons Semesters in the International Banach Center”, as a new form of research activity at the Institute of Mathematics of the Polish Academy of Sciences (IMPAN). Banach Center (BC) is the conference establishment of IMPAN. We request financial support from the Simons Foundation for "Simons Semesters Fellows", distinguished senior and outstanding young researchers invited to IMPAN to lead the Semesters. We request support for 2-4 month long visits for each Semester for five consecutive years.

We plan to run expert-guided semester-long courses and shorter mini-courses for young mathematicians. The Simons Semester fellows will be expected to teach, provide tutoring, and collaborate with younger colleagues at IMPAN. It is assumed that some of these interactions will lead to fruitful and extended cooperation. The topics of the semesters will cover areas of modern mathematics in which we have some background but need outside expertise to reach the forefront.

The scope of the program will include PhD students and young post-docs of IMPAN and PhD students of other leading mathematical departments in Poland and in Central-Eastern Europe.

#### **How we are going to do it ...**

We intend to organize semesters in selected key areas of modern mathematics. A full semester would last 4 months and include research, seminars, and courses, with about 30 participants and 3 intensive workshops/schools with up to 100 participants. Each semester will typically start with an intensive week of introductory courses aimed at less prepared participants. The regular research will take place in the Institute premises at Warsaw, while workshops/schools will take place at the Research and Conference Center of IMPAN at Będlewo. We plan one full semester per year and one shorter mini-semester (about 2 months long).

We plan open calls to propose and run the semesters (except the first one). The first semester, already in Fall 2015, will be Dynamical Systems.