

## The Janko Jamnik Doctoral Scholarship for promising early-stage researchers in chemistry and related sciences

This tender is open to candidates (M/F) who will complete the VII/2 level of study in chemistry and related sciences (e.g. chemistry, chemical technology, pharmacy, physics, mathematics, biochemistry, biotechnology, biology, microbiology, molecular biology, materials, etc.) by the end of September 2016 and have never previously enrolled in a doctoral study.

The scholarship covers the salary of the chosen candidate, the doctoral study enrolment fee, one visit to a conference of the candidate's choice per year, and the costs of further training abroad up to six months in length.

Within the enrolment deadline, the chosen candidate must meet all conditions for enrolment in a doctoral study in the 2016/2017 academic year in one of the doctoral programmes of the University of Ljubljana. The candidate will choose a department, topic, and mentor for their doctoral thesis in agreement with a department head of the National Institute of Chemistry.

After presenting evidence on meeting the conditions of this tender and the conditions for enrolment, the chosen candidate will sign an employment contract for the position of "early-stage researcher" and a scholarship contract that will regulate their rights and obligations in greater detail. The employment contract will be concluded for the period until obtaining a doctorate or for a maximum of 4 years.

Candidates are requested to enclose with their applications the following:

- CV
- At least two letters of recommendation
- A letter of motivation (one A4 page)
- An essay (one A4 page) on one of the following topics:
  - *Why are commercial aircraft still not using electricity for propulsion?*
  - *Plants in comparison to catalysts: which is more efficient at capturing solar energy?*
  - *List and explain what you consider seven of the most important problems in the field of molecular biotechnology*
  - *The laws of quantum mechanics: the beginning or the end of theoretical chemistry?*

### LETTER OF MOTIVATION:

The candidate should briefly explain why they want to continue their career at the National Institute of Chemistry as a doctoral student.

The letter of motivation should include:

- a brief summary of the candidate's achievements during their study;
- a brief description of the fields the candidate is most interested in within the context of their future doctoral study;
- what is their biggest motivation for work in science;
- candidates should highlight their strengths and the reasons why they think they are suitable for work in science and research.

The letter of motivation should be written on one A4 page (2 cm page margins) using 12pt Times New Roman font and double line spacing.

### THE ESSAY:

In the essay, the candidate should briefly discuss one of the four topics provided. The essay should not be longer than one A4 page (2 cm page margins) using 12pt Times New Roman font and double line spacing.

**Selection criteria:**

Excellence of research and study achievements during studies 6 points

Essay 4 points

Applications will be evaluated by a 5-member expert committee and the decision on the chosen candidate will be publicly announced.

**Please send in your applications by 30 June 2016** to the address Kemijski inštitut, Hajdrihova 19, Ljubljana with the heading: "Javni natečaj - doktorska štipendija" and bearing the mark "ne odpiraj". For additional information, please contact the HR Service of the National Institute of Chemistry at +386 (0)1/47 60 217 (workdays from 9:00 to 15:00).