

## MINIMAL REQUIREMENTS FOR SUPERVISOR SELECTION AT POSTGRADUATE STUDIES OF THE UNIVERSITY OF RIJEKA

### GENERAL REQUIREMENTS FOR SUPERVISOR/CO-SUPERVISOR SELECTION

- has to hold a PhD degree and be awarded a scientific rank,
- has to have at least two years of postdoctoral experience,
- has to have a lead (co-lead or partner) position in a national or international project, or in some other way be able to ensure support for scientific research,
- has to satisfy the minimal requirements of excellence.

If the supervisor is not an employee of the University of Rijeka, a co-supervisor from the University's constituent unit implementing the postgraduate study programme is assigned to the PhD candidate.

### 1. MINIMAL REQUIREMENTS FOR SUPERVISOR SELECTION: BIOMEDICAL AND BIOTECHNICAL SCIENCES

- 1.1. Scientific activity of the supervisor as the main (last or first corresponding) author in the last 5 years
  - Is calculated based on the impact factor (IF) of the journal in which the paper is published, corrected with the median IF of the field (IFmp) according to the formula:  $N = IF/IFmp$ . If the supervisor has a publication at the IFmp level, he/she is awarded 1 point for that publication;
  - Minimal number of points in a five-year period: 2.
- 1.2. The quality of the supervisor's scientific output
  - Is calculated with Hirsch's (h) index (ISI WoS) that compares the number of publications and their citations;
  - Minimal h-index: 4.
- 1.3. Efficacy of PhD candidate supervision in the last 5 years
  - Is calculated based on the number of PhD theses and the supervisor's and the PhD candidates' co-authored papers resulting from the theses;
  - Points for each thesis are awarded according to the following formula:  $N = k \times IF/IFmp$  (N is the number of points, k is the weight coefficient, IF is the impact factor of the journal in which the paper is published, IFmp is the median IF of the field). Weight coefficient (k) is determined in the following way: main authorship of the supervisor (first or last authorship with correspondence)  $k = 2$ , first or last authorship without correspondence  $k = 1$ , co-authorship  $k = 0.25$ ;
  - Minimal number of points in a five-year period: 2.
- 1.4. Lead position or participation in a scientific development project, or some other aspect of ensuring support for scientific research
  - The supervisor has to have a lead (co-lead or partner) position in a national (Ministry of Education and Science, Croatian Science Foundation), projects with the local community or industry) or international project;
  - In the case of first (co)supervision – the (co)supervisor can be a project associate.

### 2. MINIMAL REQUIREMENTS FOR SUPERVISOR SELECTION: SOCIAL SCIENCES AND HUMANITIES

- 2.1. Scientific activity of the supervisor in the last 5 years
  - Five published scientific papers (at least one in a journal indexed in databases CC/ SCI/ AHSCI/ SSCI/

- Scopus); or
  - A monograph and two published scientific papers; or
  - At least one scientific paper published in a journal with an impact factor above 1.
- 2.2. The quality of the supervisor's scientific output
- Hirsch's h-index no smaller than 2 (according to the 'Publish or Perish' Programme that analyses data gathered with Google Scholar);
  - At least three published scientific papers in the field of the proposed PhD thesis topic.
- 2.3. Supervisor's scientific work programme
- Upon student enrolment the supervisor has to offer one or more research topics.
- 2.4. Lead position or participation in a scientific project
- The supervisor has to have a lead position or participate in a scientific project In the last 5 years, or in some other way be able to ensure support for scientific research.

### 3. MINIMAL REQUIREMENTS FOR SUPERVISOR SELECTION: NATURAL SCIENCES

- 3.1. Scientific activity of the supervisor in the last 5 years
- At least three scientific papers in journals with an above-average impact factor (quartiles Q1 and Q2 according to Thomson Reuters' JCR in the branch of science that corresponds to the topic of the paper), at least one of which from Q1 category (the first quartile according to impact factor);
  - Conference papers are not included;
  - The supervisor has to have an important and/or identifiable contribution to the papers.
- 3.2. The quality of the supervisor's scientific output
- Hirsch's h-index (according to Web of Knowledge) no smaller than 3.
- 3.3. Supervisor's scientific work programme
- Upon student enrolment the supervisor has to offer one or more research topics.
- 3.4. Lead position or participation in a scientific development project, or some other aspect of ensuring support for scientific research
- The supervisor has to have a lead position or participate in a scientific development project, or in some other way be able to ensure support for scientific research.

### 4. MINIMAL REQUIREMENTS FOR SUPERVISOR SELECTION: TECHNICAL SCIENCES

- 4.1. The supervisor's scientific activity
- At least six scientific papers in journals indexed in databases Current Contents, Science Citation Index or Science Citation Index Expanded, at least three of which in international journals;
  - Of that at least three papers have to be published in the last five years, with the supervisor being the main or corresponding author on at least one of them.
- 4.2. The quality of the supervisor's scientific output
- Of papers indicated under 4.1. at least two need to be in journals with an IF that is no smaller than the median of the corresponding category (according to Web of Knowledge);
  - Hirsch's h-index (according to the Web of Knowledge) no smaller than 2.
- 4.3. Supervisor's scientific work programme
- Upon student enrolment the supervisor has to offer one or more research topics.
- 4.4. Lead position or participation in a scientific project or some other aspect of ensuring support for scientific research
- The supervisor has to have a lead position or participate in a scientific project or in some other way be able to ensure support for scientific research.

#### 4.5. Quality of previous supervisory work

- The supervisor has to successfully supervise or co-supervise at least one PhD thesis.

#### 4.6. Co-supervisorship

- It is recommended that the supervisor has at least three scientific papers in journals indexed in databases Current Contents, Science Citation Index or Science Citation Index Expanded, at least one of which in an international journal;
- It is recommended that at least two of these papers are published in the last five years.

The requirements enter into force 5 years from the adoption of the Amendments of the Study Regulations of the University of Rijeka.