



**Marie Skłodowska-Curie Actions
Innovative Training Networks (ITN)
European Joint doctorate (EJD)**



METHODS IN RESEARCH ON RESEARCH (MIROR)

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**Odgovorno istraživanje i istraživački integritet te
otvorena znanost u MSCA projektima**

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Methods in Research on Research

- **Istraživanje istraživanja** je nova znanstvena disciplina s ciljem **smanjivanja gubitaka u istraživanjima** (financijskih i ostalih) i **povećanja vrijednost istraživanja**
- Godišnje se izgube golema sredstva na istraživanja koja su **redundantna, neadekvatno ustrojena, loše ili nepotpuno prikazana u publikaacijam** ili nisu nikad objavljena.
- Javnost je glavna žrtva tih gubitaka.

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Methods in Research on Research

- **ITN project** (Innovative Training Networks)
- Zajednički doktorski program u području biomedicinskih istraživanja
 - Početak: Ožujak 2016
 - Kraj: Veljača 2020

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Konzorcij

- Nositelji:
 - **University Paris Descartes** (Centre of Clinical Epidemiology, Epidemiology and Biostatistics Sorbonne Paris Cité Research Center)
 - **University of Amsterdam** (Department Clinical Epidemiology, Biostatistics & Bioinformatics)
 - **Universitat Politecnica de Catalunya** (Department of Statistics and Operations Research)
 - **Centre national de la recherche scientifique** (Computer Science Laboratory for Mechanics and Engineering Sciences)
 - **University of Ghent** (Department of Applied Mathematics, Computer Science and Statistics)
 - **University of Liverpool** (Institute of Translational Medicine, Department of Biostatistics)
 - **University of Split** (Chair of Psychology, Faculty of Humanities and Social Sciences)

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Konzorcij

- Partneri:
 - **BioMed Central**
 - **The British Medical Journal (BMJ)**
 - **The Cochrane Collaboration**
 - **European Clinical Research Infrastructure Network (ECRIN)**
 - **University of Oxford, EQUATOR network**
 - **Ottawa Hospital Research Institute**
 - **The Meta-Research Innovation Center at Stanford (METRICS)**
 - **National Institute for Health and Care Excellence (NICE)**
 - **SideView**

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Ciljevi

- Osposobiti **15 doktorskih studenata**:
 - ...da predvide buduće izazove u biomedicinskim istraživanjima i pronađu nova rješenja za nošenje s njima
 - ...pomaknu standarde istraživanja u svojim područjima
 - ...razmišljaju drugačije i inovativno
 - ...pređu s istraživanja na djelovanje te pretvore znanje u proizvode
 - ...razviju vještine potrebne za djelovanje i rad u javnom i privatnom sektoru
- Konzorcij kao cjelina sudjeluje u selekciji, superviziji i praćenju studenata
- **Dvostruki doktorati (Double doctorate) – Sveučilište Paris Descartes +**
 - Sveučilišta u Amsterdamu, Ghentu, Liverpoolu, Splitu, Barceloni i Paris Saclay (CNRS)

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- Zaposleno 15 mladih znanstvenica i znanstvenika (286 aplikacija iz čitavog svijeta)
 - **13 zemalja:** Kanada, Kolumbija, Danska, Njemačka, Grčka, Irska, Italija (2), Kenija, Španjolska, Švedska, SAD, Vijetnam (2).
- Svaki student ima **mentora** (supervisor), **komentora** (co-supervisor) i **savjetnika** (mentor)
- Svaki student je zaposlen na jednoj od nositeljskih institucija i upisan u doktorski program
- Tijekom 3 godine na projektu dva do tri **gostovanja na drugim institucijama** (secondments) u trajanju od dva do šest mjeseci (ukupno do cca 1g. izvan matične ustanove)
- Jednom do dva puta godišnje **zajednički trening** (dosad u Ghentu, Liverpoolu i Amsterdamu, slijede Split i Barcelona)

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- **Webinari** koje organiziraju članovi konzorcija (dosad Research Integrity, Open Access te Meta-analiza i meta-epidemiologija)
- “**Journal club**” organiziraju studenti pod supervizijom jednog člana konzorcija (kao rezultat publicira se pismo uredniku – dosad u JAMA Pediatrics, Trials, Medical Care i Journal of Clinical Epidemiology)
- **Unutarnji process recenzije** – student recenziraju radove jedni drugima prije slanja u časopis
- **Zajednički projekt** – Upitne istraživačke prakse (Questionable Research Practices)
- **Studenti objavljuju na web stranicama Miror projekta** – članci, intervjui sa značajnim znanstvenicima, podcastovi, blogovi

www.mirror-ejd.eu

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Studentski projekti

- **Research on Research Planning**

- ESR1: Methods of identifying gaps in health research
- ESR2: An alternative approach for planning the research of innovative medical tests
- ESR3: Methods for involving patients in core outcome set development
- ESR4: Improving the planning and monitoring of recruitment to clinical trials
- ESR5: Impact of mobilising collective intelligence in research planning

- **Research on Research Conduct**

- ESR6: Improving the use and understanding of causal methods in clinical research
- ESR7: Estimation of an overall risk of bias in Randomized Controlled Trials
- ESR8: Estimation of causal effects from observational studies

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Studentski projekti

- **Research on Research Reporting**

- ESR9: Use of reporting guidelines as an educational intervention for teaching research methods and writing
- ESR10: Strategies for avoiding “spin” (i.e., distorted reporting) in research reports
- ESR11: Assisted authoring for avoiding inadequate claims in scientific reporting
- ESR12: Text mining for the systematic survey of diagnostic tests in published or unpublished literature

- **Research on Peer Review**

- ESR13: Peer-review content and communication process in a major biomedical journal
- ESR14: Assessing interventions to improve reporting guidelines adherence
- ESR15: Measuring paper quality in health research

Hvala!

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