



## RESEARCH TOPIC DASMEN1

### EVIDENCE SYNTHESIS IN INFLAMMATORY AND IMMUNODEGENERATIVE DISEASES

#### Curriculum DASMEN Standard

#### Laboratory name and address

Laboratory of Immunopatology in Gastroenterology

#### Datascience Supervisor

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#### Abstract

Inflammatory and immunodegenerative diseases (e.g., rheumatoid arthritis, systemic lupus erythematosus, multiple sclerosis, age-related macular degeneration, inflammatory bowel disease, psoriasis, COPD and asthma) form a group of chronic diseases which has seen an incredible surge of new treatments in recent years. Despite the availability of new therapeutic options, clinicians have to face unprecedented challenges in gauging which treatment is the most suitable for each patient. There is much uncertainty on prognostic factors, which can assist risk stratification and aid personalizing treatments. We also lack adequate and updated data to compare the efficacy and safety profile of the available therapies.

Our aim is to perform evidence syntheses using standardized processes and rigorous methodology, and inform health care decisions in the field of the above-mentioned diseases.

#### Main technical approaches

Evidence syntheses:

- systematic reviews
- classic and network meta-analyses
- umbrella reviews.

After a formal training, the post holder will contribute to the following research activities:

- planning of systematic reviews/meta-analyses
- conduct detailed searches of bibliographic databases
- screen records of potentially eligible studies for eligibility
- perform data extraction and data entry
- critically evaluate the risk of bias



- synthesize the evidence using meta-analytic techniques
- critically evaluate the quality of evidence
- produce work summaries, reports, conference materials, and prepare journal articles for dissemination of the research output.

### **Scientific references**

Higgins JPT, Thomas J, Chandler J, et al (editors). Cochrane Handbook for Systematic Reviews of Interventions, version 6.2. Cochrane, 2021.

### **Type of contract**

PhD scholarship of € 18.000 gross per year awarded by Humanitas University. This sum is exempt from IRPEF income tax according to the provisions of art. 4 of Law no. 476 of 13th August 1984, and is subject to social security contributions according to the provisions of art. 2, section 26 and subsequent sections, of Law no. 335 of 8th August 1995 and subsequent modifications.

Borsa di dottorato pari a € 18.000 annui lordi erogata da Humanitas University. Importo non soggetto a tassazione IRPEF a norma dell'art. 4 della L. 13 agosto 1984 n. 476 e soggetto, in materia previdenziale, alle norme di cui all'art. 2, commi 26 e segg., della L. 8 agosto 1995, n. 335 e successive modificazioni.