



Nr. 15 052/ 31.10.2022

HOTĂRÂRE

privind organizarea *Postgraduate Program in Bio-Behavioral and Integrative Medicine*

Ținând cont de noile tendințe și proiecte strategice în știința internațională, de nevoia majoră a UBB de a se coordona cu partenerii din Alianța Europeană EUTOPIA în domeniul biomedical și în sănătate, de proiectele strategice deja angajate de UBB la nivel național (INSPIRE – structura de RMN și InfoBioNano4Health), de potențialul deja existent în UBB și în relația cu parteneri academici și non-academici în domeniu,

Consiliul de Administrație al Universității Babeș-Bolyai din Cluj-Napoca, reunit în ședința din data de 31 octombrie 2022,

HOTĂRĂȘTE:

1. Se avizează organizarea *Postgraduate Program in Bio-Behavioral and Integrative Medicine*, ca un cadru transversal care reunește și coordonează activități științifice/academice în domeniu, în cadrul mai general denumit *UBB School of Health* aprobat deja prin HCA 13 360 (21.09.2020), în forma anexată prezentei hotărâri. Limba de lucru în acest cadru academic este limba engleză.
2. Prezenta hotărâre se transmite senatului spre aprobare.

RECTOR,

Prof. univ. dr. Daniel DAVID



UBB School of Health

Postgraduate Program for Bio-Behavioral Integrative Medicine

Vision & Mission: To use a complex bio-psycho-social model, based on personalized and evidence-based frameworks, in the context of big data approaches, to guide research, training (postgraduate/continuous education), and applications in human health.

General Structure: At this moment, the Program works as a framework for three clinical-research sections in the Program: (1) Mental Health; (2) Internal Medicine/Cancer (e.g., Psychosomatics); and (3) Public Health. A Biomedical Engineering/Technology section is also developed within the program, important in itself and as a support for the three clinical sections. There are also two transversal sections: (1) Big Data & Bioinformatics and (2) BioMedical Ethics/Social Medicine & Health. A Miscellaneous section includes aspects that are more specific and/or in an incipient phase of development.

- **Strategic coordinator:** The Executive Board of the UBB Council of Administration
- **Executive coordinators:** Professor, PhD, Marko Balint & Professor, PhD, Dan Lazăr
 - Address: No. 9 Clinicilor St., Cluj-Napoca; Contact: marko.balint@ubbcluj.ro

I. Section I: Psychology & Psychiatry - Mental Health

- **Coordinators: Professor, PhD, Anca Dobrean (psychology) & Adjunct Researcher, MD, PhD, Andreea Robe (psychiatry)**
 - Contact: ancadobrean@psychology.ro

Board of the Section

- The Board, composed of psychologists and psychiatrists proposed by the coordinators, will be the main decision body of the Section.

Major Academic Units

- BrainQ Institute - <https://news.ubbcluj.ro/en/brainq-inspire-ubb-international-development-in-cognitive-neurosciences-and-magnetic-resonance-imaging-mri-within-the-bbu-academic-school-of-health/>
 - 3 and 7 Tesla MRI technologies for humans
 - 7 and 14 Tesla MRI technologies for animal and tissue studies
- International Institute for Psychotherapy - <https://portal.meril.eu/meril/view/facilitys/15809>
 - State of the art virtual/mixed realities and EEG technologies
- Cognitive Neuroscience Unit - <http://www.cognitive-neuroscience.ro/>
- One BSc program (i.e., cognitive science) and three MSc programs (i.e., clinical psychology/psychotherapy/clinical public health psychology) are associated to the Section, together with specific doctoral research.

Major Clinical Units

- UBB „PsyTech” Psychological Clinic (<http://clinicadepsihologie.psiedu.ubbcluj.ro/>)

- Partners - Public/private hospitals and various clinical units

II. Section II: Internal Medicine & Oncology/Cancer (Psychosomatics)

- **Coordinators: Professor, PhD, Manuela Banciu (biology) & Researcher, MD, PhD, Cristina Pojoga (medicine – internal medicine/gastroenterology)**
 - Contact: manuela.banciu@ubbcluj.ro or cristinapojoga@yahoo.com

Board of the Section

- The Board, composed of specialists proposed by the coordinators, will be the main decision body of the Section.

Major Academic Units

- BioNanomedicine - <https://biogeo.ubbcluj.ro/pages/biologie/laborator-biologie-moleculara-biochimie-si-biofizica/> and <http://centru3b.centre.ubbcluj.ro/en/nanomedicine-group/>
- Specific doctoral research is associated to this Section.

Major Clinical Units

- Partners - Public/private hospitals – clinical units

III. Section III – Public Health & Policy

- **Coordinator: Professor, MD, PhD, Marius Ungureanu (public health)**
 - Contact: marius.ungureanu@ubbcluj.ro

Board of the Section

- The Board, composed of medical and non-medical specialists proposed by the coordinator, will be the main decision body of the Section.

Major Academic Units

- Public Health Department – <https://publichealth.ro>
- BSc/MSc programs and specific doctoral research are associated to the Section.

Major Clinical Units

- Partners - Public/private hospitals – clinical units

IV. Section IV – Biomedical Engineering/Technology

- **Coordinators: Professor, PhD, Lucian Baia (physics-engineering) & Professor, PhD, Gilbert Gillich (engineering)**
 - Contact: lucian.baia@ubbcluj.ro / gilbert.gillich@ubbcluj.ro
- Medical physics (Associate professor, PhD, Balint Zoltan) -
- Clinical-medicinal chemistry (Professor PhD, Gabriela Nemeş & Professor, PhD, Radu Silaghi-Dumitrescu/)
- Clinical biology - laboratories (Senior assistant professor, PhD, Alina Sesărman)
- Kinetotherapy (Professor, PhD, Dumitru Rareş Ciocoi-Pop)
- BSc/MSc programs and specific doctoral research are associated to the Section.

V. Section V – Transversal Approaches

V.1. Big Data & Bioinformatics

- **Coordinators: Professor, PhD, Anca Andreica (computer science) and Professor, PhD, Horia Banciu (bioinformatics/biostatistics)**
 - Contacts: anca.andreica@ubbcluj.ro or horia.banciu@ubbcluj.ro
- UBB Supercomputer: <http://www.cs.ubbcluj.ro/mos/infrastructure.html> and its associated master program co-created with the German company Bosch (<https://www.cs.ubbcluj.ro/education/academic-programmes/masters-programmes/high-performance-computing-and-big-data-analytics-programme-profile/>).
- BSc/MSc programs and specific doctoral research are associated to the Section. A new MSc will start in 2023 in Bioinformatics.

V.2. Biomedical Ethics/Social Medicine & Health

- **Coordinator: Associate professor, PhD, Laszlo Csaba Degy (social work/sociology)**
 - Contact: degi.csaba@ubbcluj.ro

VI. Section VI – Miscellaneous

- **Coordinator: Professor, PhD, Markó Bálint**
 - Contact: marko.balint@ubbcluj.ro
 - Health economics (Associate professor, PhD, Levente Szasz - economist)
 - Medical art
- Note:** Each of these components can become a specific section in the future, based on its more complex development.

VII. InfoBioNano4Health will be a general academic infrastructure of the Program

- <https://news.ubbcluj.ro/en/the-winner-of-the-solution-bid-of-the-new-smart-specialisation-of-the-city-of-cluj-napoca-ubb-infobionano4health-2/>
- <https://news.ubbcluj.ro/en/ubb-outlines-the-pan-european-competitive-advantage-for-cluj-through-infobionano4health/>

VIII. General notes

- **Current results of UBB in various international ranking in the Medical/Health field:**
 - QS (2022) – 2 in Romania (601-650 international);
 - Leiden Ranking (2022) – 2 in Romania (1100 international);
 - UBB is also typically the first university from Romania in most international rankings in the field of psychology/psychiatry/mental health (often in Top-500 in the world).
- **The relevant staff** associated formally with UBB in various “units” related to the Program is also part of the Program (the Board of each section will specify it).
- **The working language of the Program is English.**
- **Expressions of interest:** Other (clinical) adjunct staff can be added based on common interest. The (clinical) adjunct staff have access to all UBB infrastructure/facilities and students and to develop new projects through UBB. Those interested can contact UBB Vice-rector Markó Bálint at marko.balint@ubbcluj.ro