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DI MILANO



The Virgilio Program -

A pre-graduate Research Track for training of Physician Scientists

*A Joint Program of University of Milano-Bicocca, University of
Milan and Humanitas University*



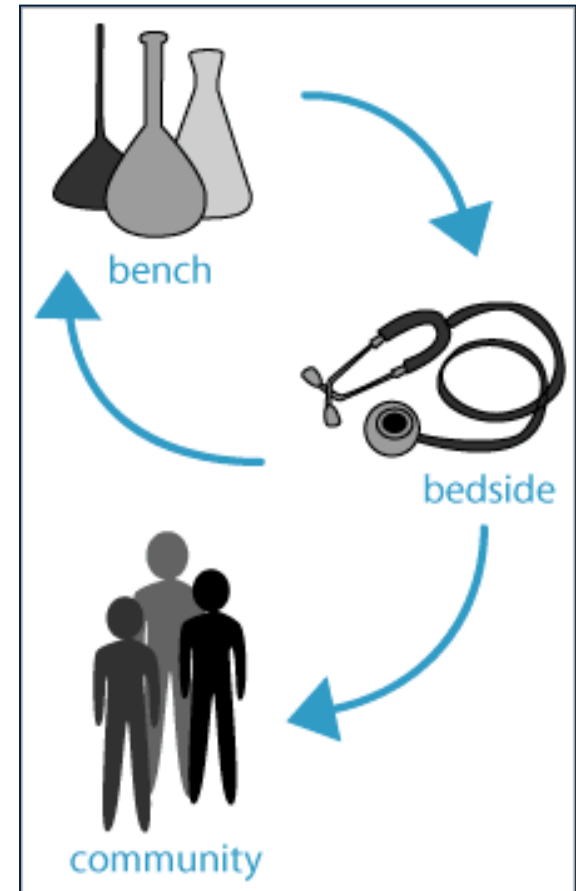
WHO IS A PHYSICIAN SCIENTIST?

*Physician–scientist is a unique link
between basic science research and
clinical practice*

Transforms fundamental knowledge
into therapies

Establish new standards for the
practice of medicine, patient care

Able to move from bench to
bedside and back



ROLE OF A PHYSICIAN SCIENTIST



Physician–scientists play an essential role in biomedical research and the advancement of medicine

- patient–oriented research
- clinical trials
- behavioral studies
- epidemiology.

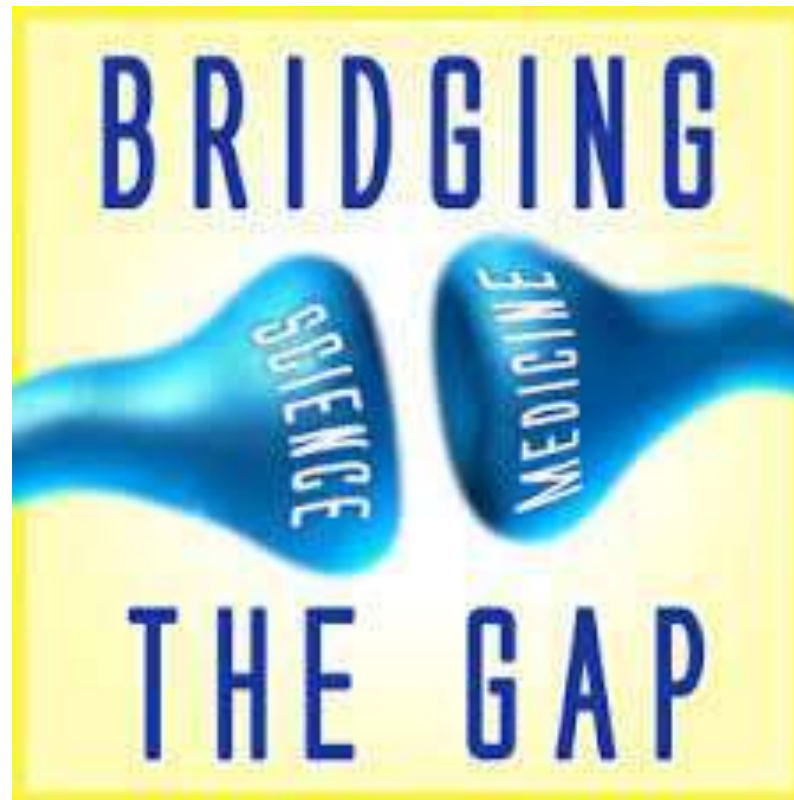
With a unique blend of experiences in research and clinical practice, they are poised to ask and answer scientific questions aimed at improving clinical outcomes.



PHYSICIAN SCIENTISTS are on the decline.....



As academicians we need to



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LAUNCH OF VIRGILIO PROGRAM



*First Joint attempt of 3 Universities to train leaders
in Academic Medicine*



Project financed by Fondazione Cariplo



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PROGRAM MISSION



AIM:

To develop and train medical students who are interested in deepening their understanding of research methods and ethics and the link between basic sciences and clinical sciences research.

OBJECTIVES:

- To introduce medical students to the physician scientist career-path.
- To train students in scientific inquiry and connect basic sciences in biomedicine with clinical medicine.
- To provide mentored research experience to explore translational medicine as a career choice.



SALIENT FEATURES



PROGRAM DURATION:

3 years, starting from 4° year of the LM course in medicine & surgery

PROGRAM STRUCTURE:

Supplementary training course spread over 4°, 5° & 6° year

- Courses - 18 CFU
- Seminars – 3 CFU
- Lab rotations - 39 CFU
- High level experimental thesis across UNIMI, UNIMIB, HUMANITAS leading labs

ACADEMIC CREDITS:

60 additional ECTS, recorded in the diploma supplement



CURRICULUM



Includes theoretical courses and laboratory experience, as well as inter-disciplinary seminars, designed to integrate the research knowledge.

Didactics - courses designed to acquire knowledge & skills related to scientific methodology, biostatistics, scientific & grant writing, communication, ethical responsibility, alongside subject specific courses.

Laboratory rotations - 4 weeks per academic year in order to assimilate theoretical knowledge acquired into practical experience

Thesis preparation – in the final year on an experimental research project

CURRICULUM



Curriculum		
First Year	Second Year	Third Year
Lab experience – 4 weeks	Lab experience – 4 weeks	Lab experience – 4 weeks
2 Core Courses Elective Courses Academic Seminar	2 Core Courses Elective Courses Academic Seminar	2 Core Courses Elective Courses Academic Seminar Experimental Thesis
20 CFU	20 CFU	20 CFU



MENTORS & TUTORS



Mentors – successful physician-scientists shall guide the research experience of the students.

Tutors – Young scientists who shall guide the day to day research experience of the students during the lab rotations and provide academic support during thesis internship.

Lab PIs – support the placement of students



PROGRAM SELECTION



30 motivated applicants from each of the 3 partner Universities who can demonstrate:

- An outstanding record of academic accomplishment
 - to be enrolled for the first time in the 3rd year of the Medicine and Surgery Degree Course;
 - to have acquired all the course credits (CFU) planned for the first two years
 - to have passed all the exams as per the Course Regulation with min. votes 27/30.
- Strong interest in basic and translational research
- English language proficiency

Final selection is through an Interview by the Joint Selection Committee.



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UPCOMING BANDO & SELECTION DATES



Bando (interno):

April 6th – 22nd, 2020

Selection Interview Dates: May 5th from 9.00 – 14.00

May 7th from 9.00 – 14.00

Graduatoria:

May 15th 2020



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PROGRAM BENEFITS



You are getting the opportunity to gain research experience under the mentorship of leading physician-scientist.

Program Benefits:

- Dedicated time in medical school exclusively to conducting research.
- Receive an individualized mentoring plan designed to meet your needs.
- Tailored program to satisfy your unique research interests.
- Curriculum designed to equip you with the knowledge, skills and tools in translational medicine.



CAREER PROSPECTS



Broaden your knowledge for residency program selection

Better informed and prepared for joint residency Phd program

More familiar with mechanism of disease, thus better suited to work in interdisciplinary clinical and academic teams

Advantage while applying for research grants

JOURNEY OF OUR 1° & 2° COHORT



14 motivated, bright and dynamic students part of our 1st & 2nd Cohort

Mentored By: our leading Unimib Faculty

Labs frequented: for 4 weeks – 13 cfu (each academic year)

Academic Program: 6 cfu

Core Courses: Year 1 –2 courses (Scientific Methodology, Biostatistics)
Year 2 –2 courses (Scientific Communication, Research Ethics)

Elective: Based on choice – 2 cfu per year

Academic Seminar: Molecular Medicine – 1 cfu - 12th Oct, 2019
Next seminar – 1 cfu – July/Sept. 2020



VIRGILIO PROGRAM IS SOCIAL



Website: www.virgilioprogram.unimib.it

Facebook

<https://www.facebook.com/virgilioprogram/>

Linkedin

<https://www.linkedin.com/company/14813755/>

Instagram

<https://www.instagram.com/virgilioprogram/>

Twitter

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THANK YOU!



Thank you for your interest in the Virgilio Program



The Time for Action is NOW!



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CONTACT



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