**ALLEGATO A**

**Al Sig. Presidente della Commissione Elettorale**
**Ch.ma Prof.ssa Patrizia Cancemi**

***SUA SEDE***

**Oggetto: Domanda di Candidatura per l'elezione delle componenti elettive nel Collegio dei docenti nel Corso di dottorato di ricerca di** (indicare se "Scienze Molecolari e Biomolecolari" o "Tecnologie e Scienze per la Salute dell'Uomo"), **per il Ciclo** (indicare se XXXVI o XXXVII).

La/Il sottoscritta/o Giovanni Carlo Miceli presenta la propria candidatura per l'elezione delle componenti elettive nel Collegio dei docenti nel Corso di dottorato di ricerca di Tecnologie e Scienze per la Salute dell'Uomo, per il Ciclo XXXVI.

***F.to*** Giovanni Carlo Miceli

La/Il sottoscritta/o Giovanni Carlo Miceli acconsente al trattamento dei dati personali, contenuti nella domanda e nell'allegato *curriculum vitae*, ai fini della presente procedura elettorale, ai sensi delle disposizioni relative alla protezione dei dati personali e sulla tutela della riservatezza del Regolamento (UE) 2016/679 e del D. Lgs. del 30.06.2003 n. 196 e ss.mm.ii..

Palermo, il 10/05/2022

***F.to*** Giovanni Carlo Miceli

Allegati:

- *Curriculum Vitae*

# CURRICULUM VITAE

## Personal details

Name: Giovanni Carlo;

Surname: Miceli;

## EDUCATION:

2021-2024 **UNIVERSITÀ DEGLI STUDI DI PALERMO**

PhD in technologies and science for human health

- Project supervisors: Prof Mariano Licciardi and Prof. Fabio Salvatore Palumbo;
- Title: “Synthesis, characterization, processing, and in vitro validation of soft biomaterials for tissue engineering applications”.
- Research themes:
  - Polymer synthesis;
  - Polymer characterization;
  - Design optimization and fabrication of tissue engineering scaffolds;
  - in vitro/vivo testing of optimized engineered soft tissues vs. conventional engineered soft tissues.

2018- 2020 **POLITECNICO DI MILANO**

MASTER OF SCIENCE IN BIOMEDICAL ENGINEERING (CELLS, TISSUES AND BIOTECHNOLOGY)

My course was composed of 16 written exam, 2 laboratory course and a graduation thesis.

Thesis: “Design, fabrication and in-vitro validation of a three-layered, bio-inspired, small-diameter vascular graft for tissue engineering applications”.

2014-2018 **POLITECNICO DI MILANO**

BACHELOR’S DEGREE IN BIOMEDICAL ENGINEERING

My course was composed of 20 written exam and a graduation thesis.

Thesis: “Design and fabrication of a capillary network for innovative scaffolds”

**ABROAD EXPERIENCE:**

2019- 2020 **UNIVERSITY OF PITTSBURGH**

VISITING RESEARCH SCHOLAR AT MCGOWAN INSTITUTE FOR REGENERATIVE MEDICINE

- Project supervisors: Prof Antonio D'Amore, University of Pittsburgh and Prof. Sara Mantero, Politecnico di Milano;
- Title: "Design, fabrication and in-vitro validation of a three-layered, bio-inspired, small-diameter vascular graft for tissue engineering applications".
- Project length: 8 months
- Research themes:
  - Structural characterization;
  - Design and fabrication of tissue engineering scaffolds;
  - in vitro/vivo testing of optimized engineered soft tissues.

**LEADERSHIP ACTIVITIES**:

2021-2022 **UNIVERSITÀ DEGLI STUDI DI PALERMO**

REPRESENTATIVE OF DOCTORAL STUDENT IN THE DOCTORAL BOARD OF TECNOLOGIES AND SCIENCE FOR HUMAN HEALTH

2018-2019 **POLITECNICO DI MILANO**

"BUDDY" PROGRAM: ASSISTANCE OF EXCHANGES STUDENTS

Starting from the academic year 2015-2016, Politecnico di Milano has implemented a "Buddy System": this foresees a match between new international students and students who are already enrolled at Politecnico.

2017-2019 **BIOMEDICAL ENGINEERING ASSOCIATION (BEA)** (http://beapolimi.it/)

HEAD OF ACADEMIC TEAM

My team was composed of 5 members to provide students with useful information and opportunities organizing several seminars like: thesis abroad, International mobility, ethic skills and PhD experience.

2017 **BIOMEDICAL ENGINEERING ASSOCIATION (BEA)**

CO-FOUNDER

BEA is an association founded out from students for students.
Our goal is helping people in finding info and opportunities, spreading knowledge and experiences, connecting them to the work environment.
We are volunteers and we wish to create a network of ideas, thought and activities.

**SKILLS:**

- **Computer**
  - **CAD tools:** Solid Works; Autodesk fusion 360;
  - **Engineering tools:** Matlab, MS Office, Origin, MS project;
  - **Operating Systems:** MS Windows, MacOS.
- **Experimental**
  - **Cell culture experience:** human HUVEC, rat VSMC, human NHDF;
  - **Biofabrications:** Electrospinning, thermally induced phase separations, film casting, small diameters vascular graft, cardiac patches;
  - **Bioreactors** development and dynamic in vitro culture.
  - **3D printing.**
  - **Extra Cellular Matrix gel, Hyaluronic acid hydrogel.**
- **Languages**
  - **Italian** (native);
  - **English** (fluent; TOEIC 820/990).

**Current job:**

Scholarship owner for PhD in technologies and science for human health until 31 01 2024

Palermo, 10 05 2022