## Marie Skłodowska Curie Individual Fellowship 2019
### Expression of Interest for hosting Marie Curie Fellows

1. **Supervisor (name and e-mail address)**

   Patrizia Dell’Era - patrizia.dellera@unibs.it

2. **Department (name and address)**

   Department of Molecular and Translational Medicine

3. **Panel (choose one)**

   - Chemistry (CHEM)
   - Social Sciences and Humanities (SOC)
   - Economic Sciences (ECO)
   - Information Science and Engineering (ENG)
   - Environment and Geosciences (ENV)
   - Life Sciences (LIF)
   - Mathematics (MAT)
   - Physics (PHY)

4. **Description of your research activities (max 10 lines)**

   Reprogramming human terminally differentiated cells into induced pluripotent stem cells (iPSC)
   Cardiac differentiation of iPSC
   Modulation of maturation of human cardiomyocyte differentiation
   In vitro modeling a genetical form of atrial fibrillation
   Setup of a cardiac engineered tissue
   Hepatic differentiation of iPSC
   Setup of hepatic organoid (iHepatocytes, Endothelial cells, iMesenchymal stem cells)

5. **Key-words**

   iPSC; cardiomyocytes; atrial fibrillation; hepatocytes; organoid; tissue engineering
6. Short CV of the supervisor (max 5 lines)

Ph.D. in “Cellular and molecular biotechnology applied to medicine”, University of Brescia

From 2006 Associate professor in Clinical Pathology.

From 2012 Head of the Cellular Fate Reprogramming Unit
Department of Molecular and Translational Medicine, Oncology and Experimental Immunology.

Scopus ID: 6701858768 – ORCID: 0000-0001-6682-6321

7. List of 5 main publications of the supervisor


*Please consider that the preparation of a Marie Curie proposal requires some time. Fellow and supervisor have to agree on a project and training opportunities for the fellow.