





## Horizon 2020 Marie Skłodowska-Curie Actions Individual Fellowships Call – Expression of Interest

| Organisation Details                             | Boston Scientific Limited   |                  |                 |
|--|---|------------------|-----------------|
|  | Galway, Ireland www.bostonscientific.com  |                  |                 |
| Organisation Type                                | □ Academic  | ☐ Public Bo      | ndv             |
| organisation Type                                | ☐ Academic ☐ Large Enterprise   |                  | dy              |
|  | □ SME   | □ Non-Prof       | iit             |
|  | ☐ Public Research   |                  | ease specify)   |
|  | Organisation  | (p =             |                 |
|  |   |                  |                 |
|  |   |                  | T               |
| Research Field(s)                                | ☐ Chemistry CHE   |                  | Keywords:       |
|  | □Social and Human Sciences SOC  |                  |                 |
|  | □ Economic Sciences ECO   |                  |                 |
|  | ☑Information Science and  | d                |                 |
|  | Engineering ENG  Environment and Geosciences ENV  |                  |                 |
|  | □ Environment and Geosciences Env   |                  |                 |
|  | ☐ Mathematics MAT   |                  |                 |
|  | □ Mathematics MAT     □ Physics PHY   |                  |                 |
| Short Description of the                         |   | is a leading ini | l<br>novator of |
| Organisation and the Faculty/Dept./School/Centre | Boston Scientific Corporation is a leading innovator of products and technologies used to diagnose or treat a wide range of medical conditions, including heart, digestive, pulmonary, vascular, urological, pelvic health, neurological and chronic pain conditions.  Key facts:  Approx. 24,000 employees worldwide  Sales force in 40+ countries 12 manufacturing facilities worldwide  Approx. \$1 billion invested in R&D (2015)  \$7.4 billion revenue (2015)   |                  |                 |
|  | In Ireland, the Galway site is the largest facility in Boston Scientific, and has R&D and manufacturing functions. It was established in 1994 and manufactures 45 different products supporting €1b revenue.  The Galway site has been involved in the design and development of drug eluting products such as the TAXUS stent, Promus Element stent, and the Synergy stent (Bio absorbable coating) as well as many balloon catheters and other non-vascular stents. Recently the Galway site has taken part in the development and commercialization of a Trans-arterial Aortic Valve device and is continuing this development for next generation valves.  The successful applicant will be assigned at the Galway site |                  |                 |
| Short Description of the                         | to the Corporate Research organisation. Research Area's:  |                  |                 |







| Research Project/Topic                        | <ol> <li>Structural Heart/Cardiology devices, therapies, and diagnostics.</li> <li>Digital health (Biosensors and data analytics)</li> <li>Endoscopic devices, therapies, and diagnostics, GI and Pulmonary.</li> <li>Biomaterials – polymers/metals/coatings</li> </ol> |  |
|---|--|--|
| Expertise required by the applicant           | Ph.D. level with several years' experience in a Research position. Experience with medical device development or Biomedical engineering is preferred   |  |
| Career development support offered to fellows | Boston Scientific has a fully implemented Learning Management System that has a wide variety of training curriculum. Highlights are:   |  |
| Application procedure                         | Please provide CV including list of Publications, Patents, and details of what the applicant would like to gain from the Fellowship  |  |
| Contact Person                                | Dr. Aiden Flanagan<br>flanagaa@bsci.com  |  |

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