

# Curriculum Vitae

## Personal Details

Name	Maria Cristina Curatolo
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Email	mcristina.curatolo@gmail.com
Date of birth	01/04/1981
Place of birth	Bologna
Nationality	Italiana
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Driving license	B

## Work Experience

**05/2022- present**

**Innovation and Medical Science Excutvie Director**  
**SIFI, Catania**

Healthcare (Eye-Care) – Pharmaceutical and Biomedical Industry

**01/2019- 05/2022**

**Preclinical Research and Patent Manager**  
**SIFI, Catania**

Healthcare (Eye-Care) –  
Pharmaceutical and Biomedical  
Industry

**Direction of pre-clinical** studies within the phases of development and registration for pharmaceutical products and medical devices;  
**Project management** planning, organizing, motivating and controlling resources and activities within company projects;  
**Strategic management of the Patent Portfolio:** IP Intelligence and Patent Landscaping, Deep Dive analysis of Patent Process, IP Lifecycle Management, IP and Patent Portfolio development and enhancement.  
**Direction of interactions and relationship with academic and industrial partners** within projects of co-development and international scientific programs  
**Responsibility of three research units (Pharmaco- biology; Technical Pharmaceutic and Optic Mechanic):** 15 resources and 6 research laboratories  
**Responsible for a total budget up to 1 ML euro**

**01/2016 - 01/2019**

**Preclinical-Clinical Research and Patent Manager**  
**SIFI, Catania**

Healthcare (Eye-Care) –  
Pharmaceutical and Biomedical  
Industry

**Direction of pre-clinical studies** within the phases of development and registration for implantable medical devices;  
**Direction of clinical studies** within the phases of pre-market clinical development and post marketing follow up for implantable medical devices;  
**Project management** planning, organizing, motivating and controlling resources and activities within company projects;  
**Management of the Patent Portfolio:** IP and patent portfolio development and enhancement.  
**Direction of interactions and relationship with academic and industrial partners** within projects of co-development and international scientific programs

**Responsibility of two research units (Optic Mechanic and Clinical development):** 3 resources and 2 research laboratories  
**Responsible for a total budget up to 1,5 ML euro**

**01/2013 - 01/2016**

**Preclinical Research Manager**  
**SIFI MEDTECH, Catania**

Healthcare (Eye-Care) –  
Biomedical Industry

**Management of pre-clinical studies** within the phases of development and registration for implantable medical devices;

**Project management** planning, organizing, motivating and controlling resources and activities within company projects;

**Management of the Patent Portfolio:** IP and patent portfolio development and enhancement.

**Interactions and relationship with academic and industrial partners** within projects of co-development and international scientific programs

**Responsibility for one research units (Optic Mechanic:** 2 resources and 2 research laboratories

**Responsible for a total budget up to 0,5 ML euro**

**01/2011 - 01/2013**

**Preclinical Research Supervisor**  
**SIFI MEDTECH, Catania**

Healthcare (Eye-Care) –  
Biomedical Industry

**Product development** of implantable medical devices;

**Product and Process validation**

**Scientific development and editing**

**Patent analysis and writing**

**Supervision of one research units (Optic Mechanic:** 1 resources and 1 research laboratories

**Responsible for a total budget up to 0,5 ML euro**

**03/2007 - 01/2011**

**Researcher**  
**SIFI, Catania**

Healthcare (Eye-Care) –  
Biomedical Industry

**Product development** of implantable medical devices;

**Product and Process validation**

**Scientific development and editing**

**Patent analysis and writing**

## Education

**11/2005 - 02/2009**

**Doctoral Research Degree - BIOMEDICAL ENGINEERING**  
**UNIVERSITY OF CATANIA, Catania**

**11/2005 - 02/2006**

**Chartered Engineer Qualification**  
**POLITENICO, Milano**

**09/1999 - 07/2005**

**Masterdegree - BIOMEDICAL ENGINEERING**  
**POLITECNICO, Milano**

**02/2020 - 02/2020**

**Gordon Research Conference - Course on Ocular Surface Health**  
**Gordon Research, Lucca**

**01/2020 - 01/2020**

**Workshop: Colloquio Gestionale**  
**Dott.ssa Gatteschi, Catania**

**11/2018 - 03/2019**

**Market Access**  
**SDA BOCCONI, Catania**

**03/2018 - 03/2018**

**ISO 9001:2015**  
**TUV SUD, Catania**

03/2018 - 03/2018	<b>Engagement &amp; Team working</b> <b>DALE CARNEGIE , Catania</b>
03/2018 - 03/2018	<b>UNI CEI EN ISO 13485: 2016</b> <b>CERTIQUALITY , Catania</b>
04/2016 - 05/2016	<b>Studi clinici DM</b> <b>ASSOBIOMEDICA , Milano</b>
09/2016 - 09/2016	<b>Stake Holder Management</b> <b>PMI-Rome Italy Chapter, Catania</b>
04/2015 - 04/2015	<b>Innovation and Product development: best practise</b> <b>FESTO ACADEMY, Milano</b>
03/2013 - 06/2013	<b>Communication, Team-building, Leadership and public speaking</b> <b>CIVITA- FONDOIMPRESA , Catania</b>
03/2013 - 07/2013	<b>Project Management</b> <b>PMI- Rome Italy Chapter , Catania</b>

## Patent and Publications

### Patents:

- Formulazioni topiche oftalmiche a base di xantano con ridotta posologia  
IT 102020000002296. Filing date 06/02/2020.
- Composizione oftalmica e suo uso nel trattamento di patologie dell'occhio  
IT102020000015457 Filing date 26/03/2020.
- Lente per uso oftalmico  
IT102020000012721 Filing date 22/05/2020.
- Composizione topica oculare contenente metaboliti della fermentazione di Lactobacillus. IT102019000023142.  
Filing date 05/12/2019.
- Systems and methods for designing and implanting customized biometric IOLs:  
EP 2341869 ;JP 5335922 ;JP 2013- 159778 ;JP 2013- 159779.
- Iol with a proofed surface:  
US 9,241,787 ; EP 14709202.7
- Metodo per l'analisi bio-informatica per la valutazione del rischio di insorgenza della degenerazione maculare legata all'età  
IT102016000098461; PCT/IB2017/055998
- Lente per astigmatismo  
IT 102016000097763 PCT/IB2017/055996

### Publications:

- A New Extended Depth of Focus Intraocular Lens Based on Spherical Aberration (Bellucci and Curatolo J Refract Surg. 2017;33(6):389-394)
- A New Concept of Optical Aberrations as Partners of Vision: a virtuous correction of Presbyopia (Curatolo et al. WINTER ESCRS 2017)
- New aspheric toric intraocular lens for correcting astigmatism (Curatolo et al. ESCRS 2016)
- MINI WELL Ready the Extended depth of Focus Intra-Ocular Lens: A safe solution for Presbyopia and Post-operative Astigmatism (Curatolo et al. ESCRS 2015)
- New methods of characterization and treatments for hydrophobic and premium IOLs (Curatolo et al. ESCRS 2014)
- MINI WELL: Wavefront-Engineered Multifocal IOLs (Curatolo et al. ESCRS 2014)
- New Wavefront Engineered Intraocular Lens (Curatolo et al. VCR 2013);
- New trend in multifocal iols: wavefront engineering (Curatolo et al. SICSSO 2013);
- Drug Delivery Systems for Ophthalmological Applications (Curatolo et al. EMRS 2011);
- Level of residual monomer and specific surface properties affect Intraocular Lens material Biocompatibility (Curatolo et al. EVER 2010);
- Influence of Hydrophilic Aspheric IOL on Quality of Vision (Curatolo et al. EVER 2010);

- Mechanical stress of intraocular Lenses during surgical injection: method of evaluation for plastic deformations (Curatolo et al. ESB 2010);
- Intraocular lens injection systems: extrusion force modeling (Curatolo et al. ESB 2010);
- Tuning the morphology of Langmuir films of amphiphilic copolymers: solubility effects (Anastasi and Curatolo CSGI 2010);
- Fibroblast Adhesion on Intraocular Lenses materials:a QCM-D study (Curatolo et al. ESB 2007)

## Languages

<b>Italian</b>	Native
<b>English (BULATS CERTIFICATION)</b>	Fluent
<b>French</b>	Average
<b>German</b>	Basic

## More information

Aware that, pursuant to art. 76 of DPR 445/2000, false declarations, falsification of documents and use of false documents are punished under the Penal Code and laws regulations in force on the matter, I declare under my own responsibility that what is stated in this CV corresponds to the truth. I authorize the processing of my personal data pursuant to Legislative Decree 196 of 30 June 2003 and art. 13 GDPR.

*Maria Cristina Curatolo*