



PERSONAL INFORMATION

Name and Surname	Giada Magni
Date of Birth	[REDACTED]
Nationality	Italian
Address	[REDACTED]
Work address	Via Madonna del Piano 10, 50019, Sesto Fiorentino, Florence, Italy
Mobile phone	[REDACTED]
Work email	g.magni@ifac.cnr.it
Personal email	magni.giada@gmail.com
Professional Registration Number	ToU A3811
LinkedIn	www.linkedin.com/in/giada-magni
Pubmed	https://pubmed.ncbi.nlm.nih.gov/?term=giada+magni&sort=date
orcid	0000-0003-2736-9150

STATEMENT

Motivation, passion, determination and self-awareness, associated with experience in preclinical research, applied in R&D of optical devices. Proficient multi-tasker, able to interpret and present complex scientific data. Habit both at independent work and in team thanks to a multidisciplinary approach and inclusive leadership. Interest in continuing training, re-skilling capability and orientation towards problem-solving complete my work profile

PROFESSIONAL SKILLS

Excellent knowledge and experience in the field of wound healing, both in vivo and in vitro models. Experience in the collection of animal skin biopsies and sample processing: methods of inclusion, cutting with cryostat and staining with the most known histological dyes.

Excellent mastery in the application of direct and indirect immunofluorescence protocols, both on tissue and on cell culture.

Deep capacity in the preparation of primary cell cultures from both corneal tissue, in particular endothelium, fibroblasts and keratinocytes from keloid tissue and human skin. Excellent ability to maintain cell cultures, both primary and immortalized lines.

In-depth knowledge of various types of microscopy: light field, stereomicroscopy, epifluorescence, polarized light and especially confocal microscopy. Experience in LAS-X software and using the Leica SP8 confocal model microscope. Use and knowledge of optical instrumentation: spectrophotometry and spectrofluorometry. In-depth knowledge of Microsoft Word, Power Point, Microsoft Excel software packages and GraphPad Prism analysis software. Experience in using image analysis and writing software in LaTeX.

EDUCATION

- 2022 **Enrollment to Federazione Nazionale degli Ordini dei Biologi, (FNOB)**
 Ordine Nazionale dei Biologi della Toscana e dell'Umbria
 Protocol Number: P- 47693-2022 (02/05/2022)
- 2021 **II level University Master Course in *Clinical Trial of Drugs in Internal Medicine, Hematology and Oncology***
 University of Pisa
 Scientific Director: Prof. Romano Danesi
- Clinical trial concepts and methodology
 - Biomarkers, end-points and surrogate markers
 - Preclinical and clinical models of drug effect study
 - Clinical pharmacokinetics: population PK, PK/PD models
 - Design of clinical research protocols
 - Clinical pharmacogenetics
 - Bioethics and Phase I, II, III and IV clinical trials
 - Organisation and operation of a testing centre
 - Biostatistics applied to phase I, II, III and IV clinical trials
 - Pharmacovigilance
 - Clinical trials with medical devices
 - Regulatory aspects and experimental studies on generic and biosimilar drugs
 - Regulation of non-profit and non-profit studies
 - Compassionate, expanded-access, and off-label drug use
 - Insurance and forensic aspects of trials
 - Role of Pharmaceutical and Farmindustria companies
 - Clinical trials in cardiovascular medicine, neurology, radiation therapy, diabetology, organ transplants, pneumology, pediatrics, psychiatry, rheumatology, gastroenterology, palliative medicine, intensive care and resuscitation and infectious diseases
 - Clinical trial in gastrointestinal, thyroid, thoracic and urological oncology
- 2021 **Clinical Research Training Course “Missione CRA” (ClinOpsHub, Yghea CRO)**
- 50 HOURS CLINICAL RESEARCH TRAINING COURSE AS PER THE MINISTERIAL DECREE 15.11.2011
- Methodology and Regulation of Clinical Trials
 - Good Clinical Practice (ICH-GCP)
 - Standards for Good Manufacturing Practice (GMP)
 - Pharmacovigilance
 - Quality Systems and Quality Assurance (QA)
 - Tasks of Monitors referred to paragraph 5.18 of Annex 1 to the Ministerial

Decree July 15, 1997

(including Pre-Study Visit, Site Initiation Visit, Site Monitoring Visit and Close Out Visit)

- Regulation (EU) N° 536/2014-Chapter I and II
- Workshop on Site Selection, Pre-Study Visit, Essential Documents, Drg Accountability
- Site Visit simulation (PSV, SIV, SMV)

2020 Master of Higher Education Management in *Pharmaceutical Management: Medical Scientific Liaison (MSL) e Medical Advisor (MA)*
(80 hours)

ISTUM – Istituto di Studi di Management

Scientific Director: Dr. Andrea Rizzi

- Medical management and the pharmaceutical company
- The management of clinical research
- The management of phase IV studies and other ways of doing research
- Pharmacovigilance
- The regulations
- The management of scientific training
- Synergy with pharmaceutical marketing
- Synergy with market access
- Relationship with sales
- Regulatory affairs
- Human resources: guidance and communication
- The operational medical management

2016-2019 PhD in Pharmacology and Innovative Treatments

University of Florence Viale Gaetano Pieraccini 6, 50139 Florence (Italy)

Thesis Title: *Photobiomodulation and purinergic signaling: in vivo and in vitro approaches for new and innovative treatments in skin fibrosis and remyelination*

Tutors: Prof. Anna Maria Pugliese (UNIFI), Dr. Francesca Rossi (CNR-IFAC)

2019 Professional Practice Exam

University of Florence

Second session of 2018

Examination for the qualification to practice the Profession of Biologist

Grade: 170/200

2015 MSc in Biology (Cellular and Molecular curriculum)

University of Florence, Viale Morgagni 40/44, 50134 Florence (Italy)

Thesis Title: *Corneal stroma and endothelial cells investigation: potential impact in keratoplasty*

Grade: 110/110 *cum Laude*

2012 BSc in Biological Science

University of Florence, Viale Morgagni 40/44, 50134 Florence (Italy)

Thesis Title: *Analysis of hERG1 gene isoforms in human pancreatic adenocarcinoma cells*

Grade: 98/110

WORK EXPERIENCE

07/2021 - present Support to CenTraTec of the CNR Area of Florence for the realization of Technology Transfer Services

Instrument/Infrastructure: Confocal Microscopy

Function description: Laboratory equipped for confocal laser scanning microscopy, model Leica SP8, equipped with four laser sources at 405/488/552/638 nm, three independent detection channels, equipped with external cage and incubator for measurements with vital samples. Preparation and processing of biological samples (cryostat, staining of samples, image analysis)

Atto_Collaborazione_Istituti_CenTraTec_Prot_478_07_07_2021

03/2020 - present Post- Doctoral Research Fellow

Institute of Applied Physics "Nello Carrara" - Italian National Research Council
Via Madonna del Piano 10, 50019 Sesto Fiorentino (Italy)

Biology and Nanomedicine Lab - <https://bpnlab.ifac.cnr.it/>

Call n° IFAC-01-2016-FI protocol N. 001324 of 19/04/2016

Project: *Laser Assisted RObotic Surgery of the anterior Eye Segment (LA-ROSES)*

Renewals:

1. 1st March 2020 – 31st December 2020
2. Project: *Studio del meccanismo di azione del dispositivo a luce LED blu "EMOLED" su ferite superficiali in vivo e in vitro (BLUE)*
3. 1st Genuary 2021 – 28th February 2021
Project: *Studio del meccanismo di azione del dispositivo a luce LED blu "EMOLED" su ferite superficiali in vivo e in vitro (BLUE)*
4. 1st March 2021 – 30th September 2021
Project: *Stampa 3d di dispositivi nAno e Micro fluidici: un paradigma nuovo per le scienze chimico-fisiche (S-TRE-AM)*

5. 1st October 2021 – 30th September 2022
Project: *THERmoablation of Melanoma and mammary carcinoma with Injected NANoparticles coupled TO Radiotherapy (THERMINATOR)*
6. 1st October 2022 – 31st July 2023
Project: *THERmoablation of Melanoma and mammary carcinoma with Injected NANoparticles coupled TO Radiotherapy (THERMINATOR)*
7. 1st August 2023 – 31st March 2024
Project: *Suppression of Airborne Viral Epidemic Spread by Ultraviolet light barriers (SAVE-US)*

Roles:

- Support in drafting proposals
- Handling and processing of biological samples for the study of light-tissue interaction
- Co-supervisor in experimental theses
- Confocal microscopy acquisition and image analysis
- Management of all aspects of the laboratory (inventory, orders and purchases, waste management, instrument maintenance, etc.)
- Deep experience in colorimetric and enzymatic biochemical tests
- Innovative approaches with confocal microscopy through the study of samples of works in the field of conservation and restoration of cultural heritage
- Management of laboratory waste

10/2020 [Subject Expert in SSD BIO/14 \(Protocol number: 157464, 12th October 2020\)](#)

University of Florence

Department of Neuroscience, Psychology, Drug Research and Child Health (NEUROFARBA), Section of Pharmacology and Toxicology, University of Florence, 50139 Florence, Italy

05/2016 - 02/2020 [Research Fellow](#)

Institute of Applied Physics “Nello Carrara” - Italian National Research Council
Via Madonna del Piano 10, 50019 Sesto Fiorentino (Italy)

Biology and Nanomedicine Lab - <https://bpnlab.ifac.cnr.it/>

Call n° IFAC-01-2016-FI protocol N. 001324 of 19/04/2016

Project: *Laser Assisted RObotic Surgery of the anterior Eye Segment (LA-ROSES)*

From 1st May 2016 to 30th April 2017

Renewals:

1. 1st May 2017 – 30th September 2017
Project: *Electromagnetic guided in-situ laser fenestration of endovascular endoprosthesis (ENDOCAS)*
2. 1st October 2017 – 31st December 2017
Project: *Studio del meccanismo di azione del dispositivo a luce LED blu "EMOLED" su ferite superficiali in vivo e in vitro (BLUE)*
3. 1st January 2018 – 31st July 2018
Project: *Progetto Bandiera Engineered nanostructures for cellular imaging (NANOMAX ENCODER)*
4. 1st August 2018 – 30th September 2018
Project: *Micro O Nano filati per la Saldatura a mezzo laser del TEssuto connettivo (MONSTER)*
5. 1st October 2018 – 30th September 2019
Project: *Advanced Plasmonic Biosensor Analysis of Nucleic Acid Biomarkers (PLABAN)*
6. 1st October 2019 – 31st December 2019
Project: *Development of cost-effective wearable metal nanowire-based chip sensor for optical monitoring of metabolites in sweat (DESWEAT)*
7. 1st January 2020 – 28th February 2020
Project: *Micro O Nano filati per la Saldatura a mezzo laser del TEssuto connettivo (MONSTER)*

Roles:

- Management of all aspects of the laboratory (inventory, orders and purchases, waste management, instrument maintenance, etc.)
- Deep expertise in biochemical assays and immunochemistry on cell cultures and different types of tissues
- Establishment and maintenance of primary cell cultures and cell lines
- Application of histological protocols and manipulation of freezing-tissues
- Deep experience in confocal microscopy acquisition and image analysis
- Familiarity with the following commercial and open-source software (GraphPad Prism, Microsoft Office Suite, LaTeX, ImageJ)
- Co-supervisor in experimental theses

Via di Rimaggio 141, 50019 Sesto Fiorentino (Italy)

Analysis of the light-tissue interactions *in vivo* model of wound healing

Mother tongue Italian
Other languages English B1

TRAINING

January 2024

Course *Rischio Radiazioni Ionizzanti*. Four hours with certificate of verification learning.

July – September 2023

Participation in THRUST (Tuscany Health ecosystem entrepreneurial Skills Training) as part of the activities of the Tuscany Health Ecosystem (THE) project, aimed at promoting and stimulating skills for the exploitation of results, the development of life sciences-specific products/services and start-ups, taking into account the unique characteristics of the sector in terms of market, regulation and actors.

Sessions followed with issuance of certificate:

20/06/23 – Progettare soluzioni nel settore salute (Prof. Andrea Bonaccorsi, University of Pisa).

In the field of health, the development of solutions is the result of long-term (generally for many years) and multidimensional processes from the point of view of the actors involved (patients, clinicians, researchers, suppliers, regulators, healthcare system, investors). This complexity requires a clear identification of development paths and methods and a clear perception of the dimensions of cost, risk and uncertainty. The session introduces the main issues and discusses various methods of innovation management.

30/06/23 - Cenni di proprietà intellettuale: tipologie, cenni normativi, valorizzazione, informazioni ottenibili (Dr. Andrea Frosini, Fondazione Toscana Life Sciences).

Overview of the types, requirements, regulations of intellectual property securities (patents, trademarks, design..), with notes on the enhancement processes (negotiation, licensing, royalties, milestone..) and information related to competitors, trends, potential partners that can be extracted from the analysis of intellectual property titles.

06/07/23 - Dai risultati della ricerca all'idea di impresa innovativa. La proposta di valore (Prof. Gualtiero Fantoni, University of Pisa).

Brief overview of approaches to stimulate the development of innovative solutions (design thinking, lean startup, agile approach, etc.). Deepening the aspects to be considered in the formulation of a value proposal as a

prerequisite for a business idea (need assessment, alternative solutions, impact, potential market) based on the results of a research, taking into account the specificities of the sector.

21/09/23 - Pianificazione e gestione economico-finanziaria di una startup (Dr. Marcello Marzano, Studio MM).

Economic and financial aspects for business start-ups, with notes on the income statement and balance sheet, formulation of a financial plan. Overview of the main sources of funding for startups in relation to their maturity, with particular reference to business angels, accelerators and incubators, soft finance, venture capital, crowdfunding.

4-8 September 2023 Organization and participation at the 2nd edition of International *Biophotonics and Artificial Intelligence School*. Directors: Dr.ssa Francesca Rossi, Dr.ssa Ambra Giannetti e Dr. Andrea Barucci. Florence.

July 2023 *Giornate di Formazione Ambientale* (3 moduli):
 1) Modello Unico di Dichiarazione Ambientale (MUD);
 2) Registro Cronologico Carico e Scarico;
 3) Formulario di Identificazione dei Rifiuti.
 Each webinar lasted 2 hours with a verification test and final learning.

17 June 2022 *Corso di formazione su problemi inerenti la salute e la sicurezza nei luoghi di lavoro per i lavoratori degli istituti CNR (formazione specifica).*
 Four hours with certificate of verification learning.
 Programma del corso:
 i) Ambienti di lavoro, microclima, illuminamento. Segnaletica di sicurezza. Il rischio infortunistico. Il rischio elettrico. Principi per la gestione delle emergenze.
 ii) Problematiche delle lavoratrici madri: gravidanza e puerperio. Alcol e sostanze di abuso. Il rischio da videoterminale.
 iii) Le disfunzioni organizzative: lo stress lavoro correlato. Problematiche legate al lavoro agile.
 Evento n. 2022/17. Settore ATECO: (2007): M 72.19.09

5-9 September 2022 Organization and participation at the 1st edition of National *Biophotonics and Artificial Intelligence School*. Directors: Dr.ssa Francesca Rossi, Dr.ssa Ambra Giannetti e Dr. Andrea Barucci. Florence.

From 02/2022 to 04/2022 *Corso di aggiornamento per RUP sull'affidamento dei contratti pubblici.*
 Speaker: Barbara Braggio.
 Certificate of attendance and verification of learning.

From 03/2022 to 04/2022 *I seminari del DPO: la data protection, tra GDPR e attualità.* Certificate of attendance and verification of learning.

- 01/2022 Certificate of attendance to *Interpretazione e applicazione del principio delle 3R – Scienza, bioetica e diritto nella sperimentazione animale*. Webinar CNR - CID ETHICS, Centro Interdipartimentale per l'Etica e l'Integrità nella Ricerca
- 07/2020 Certificate of attendance with verification of learning to *Corso Comunicazione della ricerca: perché, cosa e come comunicare, con focus sui progetti Horizon e sulle attività di Outreach del CNR*. Score: 84/100
- 11/2019 Certificate of attendance with verification of learning to *Corso di formazione specifica per lavoratori sul tema Sicurezza laser*. National Research Council, Sesto Fiorentino, Florence, Italy.
- 11/2019 Certificate of attendance for *Utilizzo e cura degli animali da laboratorio* on Ce.SaL, (12 hours) University of Florence, Italy.
- 09/2019 Certificate of attendance with verification of learning to *Accessi venosi e prelievi arteriosi Bologna 20 Settembre 2019* (9 hours). By NG FORMAZIONE (Age.Na.S. number 5576).
- 02/2019 Certificate of attendance to *VI Ciclo Di Formazione su PROPRIETA' INDUSTRIALE E INTELLETTUALE NELL'UNIVERSITA' DEGLI STUDI DI FIRENZE - Parte Specifica LIFE SCIENCE*, University of Florence, Italy.
- 02/2019 Certificate of attendance to *VI Ciclo Di Formazione su PROPRIETA' INDUSTRIALE E INTELLETTUALE NELL'UNIVERSITA' DEGLI STUDI DI FIRENZE*, University of Florence, Italy.
- 12/2018 Certificate of attendance to *Laboratorio di scrittura*. Speaker Dott.ssa Olivia Cicellyn, University of Florence.
- 06/2018 Certificate of attendance with verification of learning to *Corso di formazione per i lavoratori degli Istituti del CNR sui rischi da esposizione ad agenti cancerogeni, mutageni e biologici* (4 hours). National Research Council, Sesto Fiorentino, Florence, Italy.
- 05/2017 Certificate of attendance to *XI Corso teorico-pratico di microscopia confocale*. On IFOM Milano, in close collaboration with Cogentech and Leica Microsystems. Course coordinators Katerina Orellana (Leica Microsystems) e Dario Palazzoli (IFOM Istituto FIRC di Oncologia Molecolare).
- 04/2018 Certificate of attendance to *Ragionare e argomentare: pillole di logica*. Speaker Dr. Riccardo Bruni, University of Florence.

- 03/2018** Certificate of attendance with verification of learning to *Salute e sicurezza nei luoghi di lavoro – formazione generale*. National Research Council, Sesto Fiorentino, Florence, Italy.
- 03/2017** Certificate of attendance to *Introduzione alla Microscopia Elettronica in Trasmissione (TEM). Basi, Impiego e Applicazioni*. Speakers: Dr. Alessandro Lavacchi (Director of Centro di Microscopie Elettroniche “Laura Bonzi”) and Dott.ssa Maria Cristina Salvatici (Microscopist of Centro di Microscopie Elettroniche “Laura Bonzi”). National Research Council, Sesto Fiorentino, Florence, Italy.
- 02/2017** Certificate of attendance to *Winter College on Optics: Advance Optical Techniques for Bio-Imaging*. Course speakers: Humberto Cabrera (Venezuelan Institute for Scientific Research, Merida, Venezuela; Maria Luisa Calvo (Universidad Complutense de Madrid, Spagna; Alberto Diaspro (Istituto Italiano di Tecnologia, Genova); Viktor Lysiuk (V. Lashkarirov Institute of Semiconductor Physics, Ucraina); Nicoletta Tosa (National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj, Romania). Abdus Salam International Centre of Theoretical Physics (ICTP), Trieste, Italy.

CO-SUPERVISOR OF SCIENTIFIC THESIS

- 2022** Giulio Rosoni: *Photobiomodulation with blue LED light in wound healing*
Bachelor's Degree in Biological Sciences
University of Florence
Supervisor: Dr. Stefano Bacci, Co-supervisor: Dr. **Giada Magni**
- 2020** Andrea Zucconi: *Effects of blue light application on proliferation and cellular viability in cultured of human fibroblasts isolated from keloid tissue and keratinocytes*
Master's Degree in Molecular and Applied Biology
University of Florence
Supervisor: Prof. Anna Maria Pugliese
Co-supervisor: Dr. Francesca Rossi, Dr. **Giada Magni**
- 2020** Sara Pecchioli: *Blue light effects on cultured fibroblasts from keloid tissue and potential therapeutic applications*
Master's Degree in Molecular and Applied Biology
University of Florence
Supervisor: Prof. Anna Maria Pugliese
Co-supervisor: Dr. Francesca Rossi, Dr. **Giada Magni**
- 2020** Isabelle Seidita: *Blue LED light effects in wound healing: an in vitro study on*

cultured fibroblasts and keratinocytes

Master's Degree in Molecular and Applied Biology

University of Florence

Supervisor: Prof. Anna Maria Pugliese

Co-supervisor: Dr. Francesca Rossi, Dr. **Giada Magni**

2018 Alessandra Corso: *Assessment of laser-induced thermal damage on aortic walls following in situ fenestration of endoprosthesis*

Bachelor's Degree in Biological Sciences

University of Florence

Supervisor: Prof.ssa Anna Maria Pugliese

Co-supervisor: Dr. Francesca Rossi, Dr. **Giada Magni**

PUBLICATIONS

PEER-REVIEWED JOURNAL

2024

Alan Zanardi, Ilaria Nardini, Sara Raia, Antonio Conti, Barbara Ferrini, Patrizia D'Adamo, Enrica Gilberti, Giuseppe DePalma, Sara Belloli, Cristina Monterisi, Angela Coliva, Paolo Rainone, Rosa Maria Moresco, Filippo Mori, Giada Zurlo, Carla Scali, Letizia Natali, Annalisa Pancanti, Pierangelo Giovacchini, Giulio Magherini, Greta Tovani, Laura Salvini, Vittoria Cicaloni, Cristina Tinti, Laura Tinti, Daniele Lana, **Giada Magni**, Maria Grazia Giovannini, Alessandro Gringeri, Andrea Caricasole, Massimo Alessio. *New orphan disease therapies from the proteome of industrial plasma processing waste- a treatment for aceruloplasminemia*. Communications Biology, Volume 7, 140, 2024.

<https://doi.org/10.1038/s42003-024-05820-7>

(IF2022 5.9)

2023

Roberta Meschini, Elena Paoletti, Yasutomo Hoshika, Zoi-Antigoni Sideri-Manoka, Ambra Dell'Orso, **Giada Magni**, Elena Kuzminsky. *Comet assay as an early predictor tool to detect ozone enhanced sensitivity of vegetation in a free-air controlled long-term exposure*. Plant Stress, Volume 10, December 2023, 100236.

<https://doi.org/10.1016/j.stress.2023.100236>

(IF2023 5.0)

2023

Daniele Lana, **Giada Magni**, Elisa Landucci, Gary L. Wenk, Domenico Edoardo Pellegrini-Giampietro, Maria Grazia Giovannini. *Phenomic Microglia Diversity as a Druggable Target in the Hippocampus in Neurodegenerative Diseases*. Int. J. Mol. Sci. 2023, 24(18), 13668.

<https://doi.org/10.3390/ijms241813668>

(IF2023 5.6)

- 2023** Federica Cherchi, Martina Venturini, **Giada Magni**, Mirko Scortichini, Kenneth A. Jacobson, Anna Maria Pugliese, Elisabetta Coppi. *Covalently Binding Adenosine A₃ Receptor Agonist ICBM Irreversibly Reduces Voltage-Gated Ca²⁺ Currents in Dorsal Root Ganglion Neurons*. *Purinergic Signalling* (2023).
<https://doi.org/10.1007/s11302-023-09929-y>
 (IF2021 3.950)
- 2023** **Giada Magni**, Laura Pieri, Irene Fusco, Francesca Madeddu, Tiziano Zingoni, Francesca Rossi. *Laser emission at 675 nm: In vitro study evidence of a promising role in skin rejuvenation*. *Regen Ther* . 2023 Feb 14:22:176-180.
<https://doi.org/10.1016/j.reth.2023.01.007>
 (IF2023 3.651)
- 2022** Elisa Landucci, Costanza Mazzantini, Daniele Lana, Maura Calvani, **Giada Magni**, Maria Grazia Giovannini, Domenico E. Pellegrini-Giampietro. *Cannabidiol inhibits microglia activation and mitigates neuronal damages induced by kainate in an in-vitro seizure model*. *Neurobiology of Disease*, Volume 174, November 2022, 105895.
<https://doi.org/10.1016/j.nbd.2022.105895>
 (IF2022 7.046)
- 2022** Daniele Lana, Elisa Landucci, Costanza Mazzantini, **Giada Magni**, Domenico Edoardo Pellegrini-Giampietro, Maria Grazia Giovannini. *The protective effect of CBD in a model of in vitro ischemia may be mediated by agonism on TRPV2 channel and microglia activation*. *Int. J. Mol. Sci.* 2022, 23(20), 12144
<https://doi.org/10.3390/ijms232012144>
 (IF2022 6.208)
- 2022** **Giada Magni**, Francesca Tatini, Gaetano De Siena, Francesco S. Pavone, Domenico Alfieri, Riccardo Cicchi, Michele Rossi, Nicoletta Murciano, Gaia Paroli, Clarice Vannucci, Ginevra Sistri, Roberto Pini, Stefano Bacci, Francesca Rossi. *Blue LED light photobiomodulation of inflammatory responses and new tissue formation in mouse skin wounds*. *Life* 2022, 12(10), 1564.
<https://doi.org/10.3390/life12101564>
 (IF2022 3.251)
- 2022** Steven Paul Nisticò, Luigi Bennardo, Tiziano Zingoni, Laura Pieri, Irene Fusco, Francesca Rossi, **Giada Magni**, Giovanni Cannarozzo. 2022. *Synergistic Sequential Emission of Fractional 10.600 and 1540 nm Lasers for Skin Resurfacing: An Ex Vivo Histological Evaluation*. *Medicina* 2022, 58(9), 1308.

<https://doi.org/10.3390/medicina58091308>
(IF2021 2.948)

- 2022** **Giada Magni**, Domenico Piccolo, Paolo Bonan, Claudio Conforti, Giuliana Crisman, Pieri Laura, Irene Fusco, Francesca Rossi. *1540-nm fractional laser treatment modulates proliferation and neocollagenesis in cultured human dermal fibroblasts*. Front. Med., 18 October 2022, Sec. Dermatology Volume 9 - 2022. Research Topic: New Frontiers in Diagnosis and Treatment for Skin Diseases
<https://doi.org/10.3389/fmed.2022.1010878>
(IF2021 5.058)
- 2022** Fulvio Ratto, **Giada Magni**, Annalisa Aluigi, Marta Giannelli, Sonia Centi, Paolo Matteini, Werner Oberhauser, Roberto Pini, Francesca Rossi. *Cyanine-Doped Nanofiber Mats for Laser Tissue Bonding*. Nanomaterials 2022, 12(9), 1613.
<https://doi.org/10.3390/nano12091613>
(IF2021 5.076)
- 2022** Daniele Lana, Elisabetta Gerace, **Giada Magni**, Francesca Cialdai, Monica Monici, Guido Mannaioni, Maria Grazia Giovannini. *Hypoxia/ischemia-induced rod microglia phenotype in CA1 hippocampal slices*. Int. J. Mol. Sci. 2022, 23(3), 1422
<https://doi.org/10.3390/ijms23031422>
(IF2022 5.924)
- 2021** Francesca Rossi, **Giada Magni**, Roberto Colasanti, Martina Banchelli, Maurizio Iacoangeli, Erika Carrassi, Denis Aiudi, Alessandro Di Rienzo, Luca Giannoni, Laura Pieri, Stefano Dallari, Roberto Pini, Paolo Matteini. *Characterization and ex-vivo application of indocyanine green chitosan patches in dura mater laser bonding*. Polymers 2021, 13(13), 2130
<https://doi.org/10.3390/polym13132130>
(IF2020 4.329)
- 2021** Francesca Rossi, **Giada Magni**, Francesca Tatini, Martina Banchelli, Federica Cherchi, Michele Rossi, Elisabetta Coppi, Anna Maria Pugliese, Duccio Rossi Degl'Innocenti, Domenico Alfieri, Francesco S. Pavone, Roberto Pini, Paolo Matteini. *Photobiomodulation of Human Fibroblasts and Keratinocytes with Blue Light: Implications in Wound Healing*. Biomedicines 2021, 9(1), 41
<https://doi.org/10.3390/biomedicines9010041>
(IF2020 4.717)
- 2020** **Giada Magni**, Martina Banchelli, Federica Cherchi, Elisabetta Coppi, Marco Fraccalvieri, Michele Rossi, Francesca Tatini, Anna Maria Pugliese, Duccio Rossi Degl'Innocenti, Domenico Alfieri, Paolo Matteini, Roberto Pini,

- Francesco S. Pavone, Francesca Rossi. *Experimental Study on Blue Light Interaction with Human Keloid-Derived Fibroblasts*. Biomedicines 2020, Volume 8, Issue 12, 573.
<https://doi.org/10.3390/biomedicines8120573>
 (IF2020 4.717)
- 2020 Ilaria Dettori, Lisa Gaviano, Filippo Ugolini, Daniele Lana, Irene Bulli, **Giada Magni**, Francesca Rossi, Maria Grazia Giovannini, Felicita Pedata. *Protective effect of adenosine A2B receptor agonist, BAY60-6583, against transient focal brain ischemia in rat*. Front. Pharmacol. – Front. Pharmacol., 11 February 2021, Sec. Neuropharmacology, Volume 11 - 2020
<https://doi.org/10.3389/fphar.2020.588757>
 (IF2020 4.225)
- 2020 Alessio Milanesi, **Giada Magni**, Sonia Centi, Gioacchino Schifino, Annalisa Aluigi, Boris Khlebtsov, Lucia Cavigli, Andrea Barucci, Nikolai Khlebtsov, Fulvio Ratto, Francesca Rossi, Roberto Pini. *Optically activated and interrogated plasmonic hydrogels for applications in wound healing*. J. Biophotonics Volume13, Issue9, September 2020, e202000135
<https://doi.org/10.1002/jbio.202000135>
 (IF2020 3.07)
- 2020 Elisabetta Coppi, Federica Cherchi; Irene Fusco, Ilaria Dettori, Lisa Gaviano, **Giada Magni**, Daniela Catarzi, Vittoria Colotta, Flavia Varano, Francesca Rossi; Caterina Bernacchioni, Chiara Donati, Paola Bruni, Felicita Pedata, Francesca Cencetti, Anna Maria Pugliese. *Adenosine A2B receptors inhibit K⁺ currents and cell differentiation in cultured oligodendrocyte precursor cells and modulate sphingosine-1-phosphate signaling pathway*. Biochem Pharmacol Volume 177, July 2020, 113956 (2020)
<https://doi.org/10.1016/j.bcp.2020.113956>
 (IF2014 5.009)
- 2020 **Giada Magni**, Francesca Tatini, Stefano Bacci, Gaia Paroli, Gaetano de Siena, Riccardo Cicchi, Francesco S. Pavone, Roberto Pini, Francesca Rossi. *Blue LED light modulates inflammatory infiltrate ad improves the healing of superficial wounds*. Photodermatol Photoimmunol Photomed. Volume36, Issue2, March 2020, Pages 166-168
<https://doi.org/10.1111/phpp.12527>
 (IF2019 2.421)
- 2019 Fulvio Ratto, Lucia Cavigli, Claudia Borri, Sonia Centi, **Giada Magni**, Marina Mazzoni, Roberto Pini. *Hybrid organosilicon/polyol phantom for photoacoustic imaging*. Biomed. Opt. Express 10, 3719-3730 (2019)
<https://doi.org/10.1364/BOE.10.003719>
 (IF2019 3.921)

- 2019** Roberta Piazza, Filippo Micheletti, Sara Condino, **Giada Magni**, Raffaella N. Berchiolli, Paolo De Simone, Vincenzo Ferrari, Mauro Ferrari, Roberto Pini, Francesca Rossi. *In situ diode laser fenestration: An ex-vivo evaluation of irradiation effects on human aortic tissue*. J. Biophotonics Volume12, Issue9, September 2019, e201900032
<https://doi.org/10.1002/jbio.201900032>
 (IF2020 3.07)
- 2019** Lucia Cavigli, Sonia Centi, Claudia Borri, Paolo Tortoli, Ilaria Panettieri, Ingolf Streit, Daniele Ciofini, **Giada Magni**, Francesca Rossi, Salvatore Siano, Fulvio Ratto, Roberto Pini. *1064 nm-resonant gold nanorods for photoacoustic theranostics within permissible exposure limits*. J. Biophotonics Volume12, Issue10, October 2019, e201900082
<https://doi.org/10.1002/jbio.201900082>
 (IF2020 3.07)
- 2018** Francine Faia Fernandes, Marisia Pannia Esposito, Marcela Regina Gonçalves da Silva Engela, Poliana Cardoso-Gustavson, Claudia Maria Furlan, Yasutomo Hoshika, Elisa Carrari, **Giada Magni**, Marisa Domingos, Elena Paoletti. *The passion fruit liana (Passiflora edulis Sims, Passifloraceae) is tolerant to ozone*. Science of the Total Environment, Volume 656, 15 March 2019, Pages 1091-1101
<https://doi.org/10.1016/j.scitotenv.2018.11.425>
 (IF2019 6.551)

CONFERENCE PROCEEDINGS

- 2023** **Giada Magni**, Francesca Tatini, Michele Rossi, Gaetano de Siena, Riccardo Cicchi, Francesco S Pavone, Stefano Bacci, Francesca Rossi. *In vivo evidence of blue-LED-light photobiomodulation*.
<https://doi.org/10.3390/ECB2023-14287>.
 Event: The 2nd International Electronic Conference on Biomedicines, session: Wound Healing. 28th March, 2023
- 2023** **Giada Magni**, Federica Cherchi, Martina Banchelli, Francesca Tatini, Patrizia Nardini, Daniele Guasti, Elisabetta Coppi, Anna Maria Pugliese, Marco Fraccalvieri, Stefano Bacci, Francesca Rossi. *Effects of short-wavelength blue light on fibroblasts. Experimental evidence in wound healing and cutaneous fibrosis*.
<https://doi.org/10.3390/ECB2023-14268>.
 Event: The 2nd International Electronic Conference on Biomedicines, session: Wound Healing. 28th March, 2023
- 2021** Lucia Cavigli, Sonia Centi, Claudia Borri, **Giada Magni**, Andrea Barucci, Marina Mazzoni, Roberto Pini, Fulvio Ratto, Roberto Carpi, Roberto Incalcaterra, Giacomo Belli, Giovanni Romano. *Water-in-elastomer micro-*

emulsions as phantom materials in photoacoustic imaging and multimodal theranostics. Proceedings Volume 11923, Opto-Acoustic Methods and Applications in Biophotonics V119231 (2021)

<https://doi.org/10.1117/12.2616002>

Event: European Conferences on Biomedical Optics, 2021, Online Only

- 2021** Fulvio Ratto, Alessio Milanese, **Giada Magni**, Sonia Centi, Gioacchino Schifino, Annalisa Aluigi, Boris N. Khlebtsov, Lucia Cavigli, Andrea Barucci, Paolo Matteini, Nikolai G. Khlebtsov, Roberto Pini, Francesca Rossi. *Electrospinnable composites for laser-activated tissue bonding and wound monitoring*. Proceedings Volume 11786, Optical Methods for Inspection, Characterization, and Imaging of Biomaterials V; 117861M (2021)
<https://doi.org/10.1117/12.2593263>
 Event: SPIE Optical Metrology, 2021, Online Only

- 2021** **Giada Magni**, Martina Banchelli, Federica Cherchi, Elisabetta Coppi, Michele Rossi, Marco Fraccalvieri, Anna Maria Pugliese, Paolo Matteini, Francesco S. Pavone, Francesca Rossi. *Blue LED light photobiomodulation in cultured human fibroblasts and keratinocytes cell line*. Proceedings Volume 11628, Mechanisms and Techniques in Photodynamic Therapy and Photobiomodulation; 116280C (2021)
<https://doi.org/10.1117/12.2578249>
 Event: SPIE BiOS, 2021, Online Only.

- 2020** Fulvio Ratto, Annalisa Aluigi, Sonia Centi, Alessio Milanese, Boris Khlebtsov, Nikolai Khlebtsov, Vania Delfino, Carmela Calónico, Antonella Lo Nostro, **Giada Magni**, Claudia Borri, Lucia Cavigli, Paolo Matteini, Roberto Pini, Francesca Rossi. *New materials for laser welding of connective tissue and controlled release of antimicrobial principles*. Proceedings Volume 11223, Photonic Diagnosis, Monitoring, Prevention, and Treatment of Infections and Inflammatory Diseases 2020; 112230S (February 2020)
<https://doi.org/10.1117/12.2545141>

- 2020** Lucia Cavigli, Sonia Centi, Claudia Borri, **Giada Magni**, Andrea Barucci, Marina Mazzoni, Roberto Carpi, Roberto Incalcaterra, Giacomo Belli, Roberto Pini, Fulvio Ratto. *Hybrid organosilicon/polyol phantoms for applications in biophotonics and beyond*. Proceedings Volume 11231, Design and Quality for Biomedical Technologies XIII; 112310S (February 2020)
<https://doi.org/10.1117/12.2545002>

- 2020** Roberto Colasanti, Maurizio Iacoangeli, Alessandra Marini, Denis Aiudi, Erika Carrassi, Alessandro Di Rienzo, Massimo Scerrati, Fiorenza Orlando, Mauro Provinciali, Luca Giannoni, Laura Pieri, Filippo Fagnani, Stefano Dallari, **Giada Magni**, Paolo Matteini, Fulvio Ratto, Roberto Pini, Francesca Rossi. *Preliminary ex vivo and in vivo evaluation of laser bonding in dura mater*. Proceedings Volume 11225, Clinical and Translational Neurophotonics 2020;

112250G (February 2020)
<https://doi.org/10.1117/12.2543750>

- 2019 **Giada Magni**, Martina Banchelli, Federica Cherchi, Elisabetta Coppi, Marco Fraccalvieri, Anna Maria Pugliese, Felicita Pedata Antongiulio Mangia, Stefano Gasperini, Francesco S. Pavone, Duccio Rossi Degl'Innocenti, Lorenzo Targetti, Roberto Pini, Paolo Matteini, Francesca Rossi. *Human keloid cultured fibroblasts irradiated with Blue LED light: evidence from an in vitro study*. Proceedings Volume 11079, Medical Laser Applications and Laser-Tissue Interactions IX; 110790V (July 2019)
<https://doi.org/10.1117/12.2527084>
- 2019 Francesca Tatini, **Giada Magni**, Gaetano De Siena, Roberto Pini, Stefano Bacci, Stefano Gasperini, Francesco S. Pavone, Duccio Rossi Degl'Innocenti, Cristina Tripodi, Domenico Alfieri, Lorenzo Targetti, Francesca Rossi. *Blue light induced modulation in the early phase of wound healing*. Proceedings Volume 11079, Medical Laser Applications and Laser-Tissue Interactions IX; 110790S (2019)
<https://doi.org/10.1117/12.2527017>
- 2019 Roberta Piazza, Filippo Micheletti, Sara Condino, **Giada Magni**, Raffaella Nice Berchiolli, Paolo De Simone, Vincenzo Ferrari, Mauro Ferrari, Francesca Rossi. *Ex vivo efficacy demonstration of a laser fenestration system for endovascular abdominal aortic aneurysm repair (EVAR)*. Proceedings Volume 11079, Medical Laser Applications and Laser-Tissue Interactions IX; 1107907 (2019)
<https://doi.org/10.1117/12.2527113>
- 2019 **Giada Magni**, Federica Cherchi, Elisabetta Coppi, Marco Fraccalvieri, Francesca Tatini, Irene Fusco, Roberto Pini, Anna Maria Pugliese, Felicita Pedata, Antongiulio Mangia, Stefano Gasperini, Francesco Pavone, Duccio Rossi Degl'Innocenti, Cristina Tripodi, Domenico Alfieri, Lorenzo Targetti, Francesca Rossi. *Blue light effects in human keloid fibroblasts*. Proceedings Volume 10861, Mechanisms of Photobiomodulation Therapy XIV; 1086107 (March 2019)
<https://doi.org/10.1117/12.2509504>
- 2018 **Giada Magni**, Francesca Tatini, Lucia Cavigli, Roberto Pini, Riccardo Cicchi, Stefano Bacci, Gaia Paroli, Gaetano DeSiena, Domenico Alfieri, Cristina Tripodi, Lorenzo Targetti, Francesco Pavone, Francesca Rossi. *Blue LED treatment of superficial abrasions: in vivo experimental evidence of wound healing improvement*. Proceedings Volume 10685, Biophotonics: Photonic Solutions for Better Health Care VI; 106850G (May 2018)
<https://doi.org/10.1117/12.2307397>

- 2018** **Giada Magni**, Francesca Rossi, Francesca Tatini, Roberto Pini, Elisabetta Coppi, Federica Cherchi, Irene Fusco, Anna Maria Pugliese, Felicita Pedata, Marco Fraccalvieri, Stefano Gasperini, Francesco S. Pavone, Cristina Tripodi, Domenico Alfieri, Lorenzo Targetti. *Blue light-irradiated human keloid fibroblasts: an in vitro study*. Proceedings Volume 10477, Mechanisms of Photobiomodulation Therapy XIII; 104770A (February 2018). <https://doi.org/10.1117/12.2289928>
- 2017** Francesca Rossi, Riccardo Cicchi, **Giada Magni**, Francesca Tatini, Stefano Bacci, Gaia Paroli, Domenico Alfieri, Cristina Tripodi, Gaetano DeSiena, Francesco S. Pavone, Roberto Pini. *In-vivo wound healing modulation after irradiation with Blue LED photocoagulator*. Proceedings Volume 10417, Medical Laser Applications and Laser-Tissue Interactions VIII; 1041706 (August 2017). <https://doi.org/10.1117/12.2286053>
- 2017** Francesca Rossi, Filippo Micheletti, **Giada Magni**, Roberto Pini, Luca Menabuoni, Fabio Fastenica, Bernardo Magnani. *A robotic platform for laser welding of corneal tissue*. Proc. SPIE 10413, Novel Biophotonics Techniques and Applications IV, 104130B (July 2017). <https://doi.org/10.1117/12.2286061>
- 2017** Luca Menabuoni, Alex Malandrini, Annalisa Canovetti, Ivo Lenzetti, **Giada Magni**, Filippo Micheletti, Roberto Pini, Fabio Leoni, Bernardo Magnani, Francesca Rossi. *Laser-assisted robotic surgery in keratoplasty*. Meeting Abstract, Annual Meeting of the Association-for-Research-in-Vision-and-Ophthalmology (ARVO), Baltimore (MD) (07-11 May, 2017). June 2017.
- 2017** Francesca Rossi, Filippo Micheletti, **Giada Magni**, Roberto Pini, Luca Menabuoni, Fabio Leoni, Bernardo Magnani. *Laser assisted robotic surgery in cornea transplantation*. Proc. SPIE 10056, Design and Quality for Biomedical Technologies X, 100560T (March 2017); <https://doi.org/10.1117/12.2252126>
- 2017** Francesca Rossi, Riccardo Cicchi, **Giada Magni**, Francesca Tatini, Stefano Bacci, Gaia Paroli, Domenico Alfieri, Cristina Tripodi, Gaetano DeSiena, Francesco S. Pavone, Roberto Pini. *Blue LED induced thermal effects in wound healing: experimental evidence in an in vivo model of superficial abrasions*. Proc. SPIE 10066, Energy-based Treatment of Tissue and Assessment IX, 100660B (February 2017). <https://doi.org/10.1117/12.2251947>
- 2016** Francesca Tatini, Francesca Rossi, Elisabetta Coppi, **Giada Magni**, Irene Fusco, Luca Menabuoni, Felicita Pedata, Anna Maria Pugliese, Roberto Pini. *Confocal microscopy and electrophysiological study of single patient corneal*

endothelium cell cultures. Proc. SPIE 9711, Imaging, Manipulation, and Analysis of Biomolecules, Cells, and Tissues IX, 97110G (April 2016); <https://doi.org/10.1117/12.2212636>

BOOK CHAPTER

Luca Menabuoni, Alessandra Balestrazzi, Luca Buzzonetti, Romina Fasciani, Claudio Macaluso, Luigi Mosca, Roberto Pini, **Giada Magni**, Paolo Matteini, Fulvio Ratto, Michele Rossi, Francesca Rossi. *Closing the Wound: Can Sutures Be Avoided?*. In: Alió, J.L., del Barrio, J.L.A. (eds) Modern Keratoplasty. Essentials in Ophthalmology. Springer, Cham. 2023 https://doi.org/10.1007/978-3-031-32408-6_7

PARTICIPATION AT INTERNATIONAL SCIENTIFIC CONGRESS

2024

Giada Magni, Federica Cherchi, Martina Banchelli, Francesca Tatini, Patrizia Nardini, Anna Maria Pugliese, Daniele Guasti, Stefano Bacci, Roberto Pini, Francesca Rossi. *Experimental evidence on photobiomodulation induced by short wavelengths blue LED light*. **Oral communication** to SPIE Photonics West Bios, San Francisco, CA, USA, 27th January – 1st February.

2024

Giada Magni, Martina Banchelli, Leonardo Ciaccheri, Marina Mazzoni, Barbara Adinolfi, Lucia Cavigli, Roberto Pini, and Francesca Rossi. *Can photobiomodulation be studied in vitro? Investigation on the interaction between cell culture medium and short-wavelength blue LED light*. **Oral communication** to SPIE Photonics West Bios, San Francisco, CA, USA, 27th January – 1st February.

2023

Giada Magni, Federica Cherchi, Martina Banchelli, Francesca Tatini, Patrizia Nardini, Daniele Guasti, Elisabetta Coppi, Anna Maria Pugliese, Marco Fraccalvieri, Stefano Bacci, Francesca Rossi. *In vivo evidence of blue-LED-light photobiomodulation*. **Oral communication** to The 2nd International Electronic Conference on Biomedicines, session: Wound Healing. 28th March, 2023. Part of the International Electronic Conference on Biomedicines series.

2023

Giada Magni, Federica Cherchi, Martina Banchelli, Francesca Tatini, Patrizia Nardini, Daniele Guasti, Elisabetta Coppi, Anna Maria Pugliese, Marco Fraccalvieri, Stefano Bacci, Francesca Rossi. *Effects of short-wavelength blue light on fibroblasts. Experimental evidence in wound healing and cutaneous fibrosis*. **Oral communication** to The 2nd International Electronic Conference on Biomedicines, session: Wound Healing. 28th March, 2023.

Part of the International Electronic Conference on Biomedicines series.

- 2022** Federica Cherchi, Martina Venturini, **Giada Magni**, Lucia Frulloni, Clara Santalmasi, Francesca Rossi, Elisabetta Coppi, Anna Maria Pugliese. *Oligodendrocyte Differentiation and Myelination are modulated via Adenosine A2 Receptor Activation*. Society of Neuroscience, San Diego, USA. 12-16 Novembre 2022
- 2022** Elisabetta Coppi, Federica Cherchi, Martina Venturini, **Giada Magni**, Lucia Frulloni, Clara Santalmasi, Francesca Rossi, Kennet A. Jacobson, Hobin Lee, Anna Maria Pugliese. *Role of A2A and A2B adenosine receptors in oligodendrogenesis and myelination in vitro*. XI Congresso del Purine Club brasiliano, Buzios, 13-16 Settembre 2022
- 2022** Federica Cherchi, Martina Venturini, **Giada Magni**, Lucia Frulloni, Clara Santalmasi, Felicita Pedata, Francesca Rossi, Anna Maria Pugliese, Elisabetta Coppi. *Role of adenosine A2B receptors in myelination processes: new challenge in treating multiple sclerosis*. FENS Forum 2022, Paris, 09–13 July 2022.
- 2021** **Invited speaker. Lecture.** International Module on the online platform of the Department of Biophotonics Applied to Health Sciences at the Universidade Nove de Julho, San Paulo, Brasil. Title of the presentation: *Blue light in wound*. Virtual event, 31 August, 2021.
- 2020** **Giada Magni**, Martina Banchelli, Federica Cherchi, Elisabetta Coppi, Marco Fraccalvieri, Anna Maria Pugliese, Paolo Matteini, Duccio Rossi Degl'Innocenti, Domenico Alfieri, Francesca Rossi. *Blue led light affects Cytochrome C and ionic membrane currents in human cultured keloid fibroblasts*. **E-poster with short communication**, European Wound Management Association (EWMA) Virtual Congress, 16-18 November 2020.
- 2020** Francesca Rossi, Francesca Tatini, **Giada Magni**, Gaetano De Siena, Francesco S. Pavone, Stefano Bacci. *Photobiomodulation by blue led light improves the healing in different in vivo models of wounds*. **E-poster with short communication**, European Wound Management Association (EWMA) Virtual Congress, 16-18 November 2020.
- 2020** **Giada Magni**, Martina Banchelli, Paolo Matteini, Roberto Pini, Anna Maria Pugliese, Federica Cherchi, Elisabetta Coppi, Marco Fraccalvieri, Domenico Alfieri, Duccio Rossi Degl'Innocenti, Francesco S. Pavone, Francesca Rossi. *Photobiomodulation of blue LED light in cell metabolism, proliferation and ionic membrane currents in human cultured keloid fibroblasts*. **E-poster**, WUWHS 2020, September 2020.

- 2020 Ilaria Dettori, Lisa Gaviano, Irene Bulli, Filippo Ugolini, Daniele Lana, **Giada Magni**, Francesca Rossi, Maria Grazia Giovannini, Felicita Pedata. *Chronic administration of the adenosine A_{2B} receptor agonist, BAY60-6583, protects from cerebral damage induced by transient focal cerebral ischemia in the rat. E-poster with short communication*, FENS 2020 Virtual Forum, International Neuroscience Conference, 11-15 July 2020.
- 2019 **Giada Magni**, Federica Cherchi, Elisabetta Coppi, Marco Fraccalvieri, Martina Banchelli, Paolo Matteini, Roberto Pini, Anna Maria Pugliese, Felicita Pedata, Antongiulio Mangia, Stefano Gasperini, Francesco S. Pavone, Duccio Rossi Degl'Innocenti, Lorenzo Targetti, Francesca Rossi. *Human keloid cultured fibroblasts irradiated with Blue LED light: evidence from an in vitro study. Oral communication*, European Conferences on Biomedical Optics (ECBO), 23-27 June, 2019, Munich, German.
- 2019 Francesca Tatini, **Giada Magni**, Gaetano De Siena, Roberto Pini, Stefano Bacci, Stefano Gasperini, Francesco S. Pavone, Duccio Rossi Degl'Innocenti, Cristina Tripodi, Domenico Alfieri, Lorenzo Targetti Francesca Rossi. *Blue light induces modulation in early phase of wound healing. Oral communication*, European Conferences on Biomedical Optics (ECBO), 23-27 June, 2019, Munich, German.
- 2019 Roberta Piazza, Filippo Micheletti, Sara Condino, **Giada Magni**, Raffaella Nice Berchiolli, Paolo De Simone, Vincenzo Ferrari, Mauro Ferrari, Francesca Rossi. *Ex vivo efficacy demonstration of a laser fenestration system for endovascular aortic aneurysm repair (EVAR). Oral communication*, European Conferences on Biomedical Optics (ECBO), 23-27 June, 2019, Munich, German.
- 2019 **Giada Magni**, Federica Cherchi, Elisabetta Coppi, Marco Fraccalvieri, Francesca Tatini, Martina Banchelli, Paolo Matteini, Roberto Pini, Irene Fusco, Anna Maria Pugliese, Felicita Pedata, Antongiulio Mangia, Stefano Gasperini, Francesco S. Pavone, Francesca Rossi. *An in vitro study on keloid fibroblasts irradiated by a Blue LED light device. E-poster with short communication*, European Wound Management Association (EWMA), 5-7 Giugno 2019, Gothenburg, Sweden.
- 2019 Francesca Tatini, **Giada Magni**, Francesca Rossi, Francesco S. Pavone, Roberto Pini. *Investigation about the effects of BLUE LED light on a murine model of ulcer. E-poster with short communication*, European Wound Management Association (EWMA), 5-7 Giugno 2019, Gothenburg, Sweden.
- 2019 Daniele Ciofini, **Giada Magni**, Patrizia La Bianca, Giancarlo Lanterna, Francesca Rossi, Salvatore Siano. *Stratigraphic examination of lacquer films of 16th and 19th centuries European gilt-leather artefacts. Oral communication*, Technart 2019 Conference, 7-10 May 2019, Bruges,

Belgium.

2018 **Giada Magni**, Francesca Rossi, Francesca Tatini, Roberto Pini, Marco Fraccalvieri, Elisabetta Coppi, Federica Cherchi, Irene Fusco, Anna Maria Pugliese, Francesco S. Pavone. *Primary human keloid fibroblasts react to Blue LED light irradiation with metabolic changes*. **E-poster with short communication** at European Wound Management Association (EWMA) 2018, 9-11 May 2018, Krakow, Poland.

2018 Francesca Rossi, Riccardo Cicchi, **Giada Magni**, Francesca Tatini, Stefano Bacci, Gaia Paoli, Gaetano De Siena, Francesco S. Pavone, Roberto Pini. *Blue LED light irradiation induces wound healing improvements through modulation of the inflammatory infiltrate*. **E-poster with short communication** at European Wound Management Association (EWMA) 2018, 9-11 May 2018, Krakow, Poland.

PARTECIPATION AT NATIONAL SCIENTIFIC CONGRESS

2023 Federica Cherchi, Martina Venturini, Lucia Frulloni, **Giada Magni**, Clara Santalmasi, Ilaria Dettori, Elisabetta Coppi, Anna Maria Pugliese. *New insights into the functional role of adenosine A2B receptors in oligodendroglialogenesis and myelination in vitro*. Simposio: *Cell intrinsic and extrinsic regulation of oligodendrocyte biology and re-/myelination* (Moderatori: Marta Fumagalli e Enrica Boda). 20° Congresso Nazionale della Società Italiana di Neuroscienze. Torino, 14-17 September, 2023

2023 Federica Cherchi, Martina Venturini, **Giada Magni**, Lucia Frulloni, Clara Santalmasi, Ilaria Dettori, Francesca Rossi, Felicita Pedata, Elisabetta Coppi, Anna Maria Pugliese. *New insights into the functional role of adenosine A2B receptors in oligodendroglialogenesis and myelination in vitro*. Congresso italiano del Purine Club. Pisa, 9 June, 2023

2023 **Giada Magni**, Martina Banchelli, Francesca Tatini, Federica Cherchi, Elisabetta Coppi, Anna Maria Pugliese, Marco Fraccalvieri, Francesca Rossi. *An in vitro investigation on photobiomodulation effects of blue LED light in healthy human and keloid-derived fibroblasts*. European Wound Management Association (EWMA) 2018, 13-15 May 2023, Milan, Italy.

2022 Cuzman Oana Adriana, Magrini Donata, Salvadori Barbara, Kondo Yoshiko, **Magni Giada**, Rossi Francesca. *Multidisciplinary approach for the conservation of old religious prints*. **Poster** presented at 12th European Symposium on religious Art Restoration & Conservation. Palermo, 11-13 September.

- 2022** **Giada Magni**, Martina Banchelli, Federica Cherchi, Elisabetta Coppi, Anna Maria Pugliese, Marco Fracalverì and Francesca Rossi. *In vitro evidence of blue led light photobiomodulation in wound healing*. **Poster** presented at Società Italiana di Biofisica Pura e Applicata. San Miniato (Pisa) 11-14 September 2022.
- 2022** **Giada Magni**, Laura Pieri, Irene Fusco, Francesca Rossi. *1540-nm fractional laser treatment stimulates proliferation and neocollagenesis in human dermal fibroblasts*. **Poster** presented at Società Italiana di Biofisica Pura e Applicata. San Miniato (Pisa) 11-14 September 2022.
- 2022** Federica Cherchi, Martina Venturini, Lucia Frulloni, Clara Santalmasi, Francesca Cencetti, Paola Bruni, Chiara Donati, **Giada Magni**, Francesca Rossi, Vittoria Colotta, Felicita Pedata, Elisabetta Coppi, Anna Maria Pugliese. *New insights for remyelinating therapies: oligodendrogenic role of adenosine A2B receptors and their putative interplay with sphingosine-1-phosphate axis*. **Poster**, Annual Scientific Congress, Italian MS Society and its Foundation, Roma, 24–26 May 2022.
- 2021** **Invited speaker** Seminar “Imaging e Medicina di Precisione”, Second Level Master in Data Science e Statistical Learning. Title of the speech: *Artificial Intelligence to analyze images acquired with confocal microscopy: beyond the standard methods*. Organized by Dept. of Statistica, Informatica, Applicazioni “Giuseppe Parenti” of the University of Florence. Virtual event, June, 2021.
- 2021** **Invited speaker** *Biosaturdays 2021 - Interazione tra luce e sistemi biologici: una questione aperta*. Title of the speech: *Fotobiologia: applicazioni biomedicali e fotobiomodulazione*. Organized by the Dept. of Biology of the University of Florence. Virtual event, May, 2021.
- 2021** **Giada Magni**, Federica Cherchi, Martina Banchelli, Marco Fracalvieri, Elisabetta Coppi, Anna Maria Pugliese, Paolo Matteini, Roberto Pini, Francesco S. Pavone, Francesca Rossi. *Blue LED light photobiomodulation in wound healing*. **Oral communication**, Società Italiana di Fotobiologia (SIFB), Annual Congress, 23-24 June 2021, virtual event.
- 2019** **Giada Magni**, Federica Cherchi, Marco Fracalvieri, Vittoria Colotta, Elisabetta Coppi, Francesca Rossi, Anna Maria Pugliese. *Investigation into Blue LED light effects on cell metabolism, proliferation rate and ionic currents in cultured human keloid fibroblasts: a possible involvement of adenosine A_{2A} receptors*. **E-poster with short communication**, 39° Congresso della Società Italiana di Farmacologia, 20-23 November 2019, Florence, Italy.
- 2018** **Giada Magni**, Federica Cherchi, Martina Banchelli, Marco Fracalvieri, Elisabetta Coppi, Anna Maria Pugliese, Paolo Matteini, Roberto Pini,

Francesco S. Pavone, Francesca Rossi. *Blue LED light effects in cultured human keloid fibroblasts*. **Oral communication**, Società Italiana di Fotobiologia (SIFB) Annual Congress, 19-21 June 2019, Bologna, Italy.

- 2018** **Invited speaker** Continuing Medical Education *Update in wound management*. Title of the speech: *La fotobiomodulazione*. President: Prof. Silvestro canonico, Scientific Director: Prof. Ferdinando campitiello. Napoli, February, 2019
- 2018** **Giada Magni**, Francesca Rossi, Francesca Tatini, Roberto Pini, Marco Fraccalvieri, Elisabetta Coppi, Federica Cherchi, Anna Maria Pugliese, Domenico Alfieri, Cristina Tripodi, Lorenzo Targetti, Riccardo Cicchi, Stefano Bacci, Gaetano De Siena, Francesco S. Pavone. *A new possible treatment for skin fibrosis with blue light: an in vitro study*. **Poster**, Fotonica 2018 AEIT – 20th edition, 23-25 May, 2018, Lecce, Italy.
- 2018** Lucia Cavigli, Paolo Tortoli, Sonia Centi, Sarah Lai, Claudia Borri, Daniele Ciofini, **Giada Magni**, Iliara Panettieri, Ingolf Streit, Salvatore Siano, Francesca Rossi, Fulvio Ratto, Roberto Pini. *Vapor microbubbles triggered by gold nanorods for photoacoustic theranostics*. **Poster**, Fotonica 2018 AEIT – 20th edition, 23-25 May, 2018, Lecce, Italy.
- 2017** **Giada Magni**, Francesca Tatini, Gaetano DeSiena, Stefano Bacci, Riccardo Cicchi, Cristina Tripodi, Domenico Alfieri, Lorenzo Targetti, Francesca Rossi. *Apporto della luce blu nel processo di guarigione: studio su ferite acute indotte in modello animale*. **Oral Communication** presented at XIV Congresso Nazionale AIUC, 04-07 October 2017, Turin, Italy.
- 2017** **Giada Magni**, Francesca Tatini, Gaetano DeSiena, Stefano Bacci, Riccardo Cicchi, Cristina Tripodi, Domenico Alfieri, Lorenzo Targetti, Francesca Rossi. *Il contributo della luce blu nella riparazione tissutale: evidenze sul modello animale*. **Oral Communication** at 66° Congresso Nazionale SICPRE, 21-23 September 2017, Modena, Italy.
- 2016** Francesca Rossi, Francesca Tatini, **Giada Magni**, Gaetano De Siena, Roberto Pini, Stefano Bacci, Riccardo Cicchi, Francesco S. Pavone, Giovanni Mosti, Stefano Gasperini, Domenico Alfieri, Cristina Tripodi, Lorenzo Targetti. *Healing process improvement after irradiation with the Blue LED “EmoLED” device*. **Poster** presented at World Union of Wound Healing Societies (WUWHS) Congress 2016, 23-26 September 2016, Florence, Italy.

TEACHING ROLE

- 2019** Exercise *Utilizzo degli anticorpi in laboratorio: dal processamento dei campioni alla acquisizione con microscopia confocale*.

Curse of Farmacologia Cellulare, MSc in Molecular and Applied Biology a.a. 2019-2020.

COMMITTEE MEMBER

- 2023** Member of the Scientific Committee of the 9th Biophotonics International Forum. Held on the 9th and 10th of November at the Universidade Nove de Julho (UNINOVE), San Paolo, Brazil
- 2022** Member of the Scientific Committee of the 8th Biophotonics International Forum. Held on the 8th and 9th of November at the Universidade Nove de Julho (UNINOVE), San Paolo, Brazil
- 2021** Member of the Scientific Committee of the 7th Biophotonics International Forum. Held on the 9th and 10th of November at the Universidade Nove de Julho (UNINOVE), San Paolo, Brazil

MEMBER OF EDITORIAL BOARD

- 2023** Research topic *The role of the microbiota-gut-brain axis in the pathogenesis of neurodegenerative diseases*
Frontiers in Neuroscience, section Gut-Brain Axis.
Topic editor with Prof. Maria Grazia Giovannini and Dr. Daniele Lana (University of Florence).
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Date

05/02/2024

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