Giulia De Negri Atanasio

Email: giulia.denegriatanasio@edu.unige.it

WORK EXPERIENCE

FISIOLOGIA CELLULARE ED ECCITABILITA, Scienze Biologiche, 36 hours, Prof.ssa . Grasselli. (BIO/09)

City: Genova | **Country:** Italy

Teaching support

Teaching support at: Culture cellulari, Scienze Biologiche, Prof.ssa Elena Grasselli. (BIO/09)

City: Genova

Teaching support

EDUCATION AND TRAINING

[2022 – Current]

Post-Doctoral position

Department of Earth, Environmental and Life Sciences, University of Genova Prof. E.Grasselli

City: Genova | **Country:** Italy |

[2021 – 2022]

Post-Doctoral position

Department of Civil, Chemical and Environmental Engineering (DICCA), Univeristy of Genova

City: Genoa | **Country:** Italy |

[2017 – 2021]

Ph.D. in Translational Biotechnology thesis: 'Innovative tools for vascular disease'.

Department of Experimental Medicine (DIMES), University of Genova, Prof. D. Palombo

City: Genova | **Country:** Italy |

[01/2020 – 07/2020]

Research period abroad

Instituto de Investigação e Inovação da Universidade do Porto (i3S) supervisor: Prof. B. Sarmento www.i3s.up.pt

City: Porto | **Country:** Portugal |

[2012 – 2017]

Master's degree in Pharmacy (LM-13) thesis: 'A release study of gentamicin from bone cement'

University of Genova,supervisors: Professor Monica Casale and Professor Laura Pastorino.

City: Genoa | **Country:** Italy |

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING B2 **READING** B2 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

Portuguese

LISTENING A2 **READING** A1 **WRITING** A1

SPOKEN PRODUCTION A2 **SPOKEN INTERACTION** A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

Microsoft Office (Outlook, Excel, Word, PowerPoint) | Statistic software (Origin, Statistica, Prism) | Digital imagines elaboration (ImageJ)

PUBLICATIONS

[2025] **Unlocking the Potential of Marine Sidestreams in the Blue Economy: Lessons Learned from the EcoeFISHent Project on Fish Collagen.**

Dondero, L., De Negri Atanasio, G., Tardanico, F. *et al*

Volume, Issue and Pages: Mar Biotechnol 27, 63 (2025). https://doi.org/10.1007/s10126-025-10438-9

[2024] **Influence of different pressure regimes on the properties of an engineered small-diameter vascular scaffold tested in a custom-made bioreactor**

Reference: Pier Francesco Ferrari, Giulia De Negri Atanasio, ... and Patrizia Perego

Biomedical Materials, IOP science

[2024] **SARS-CoV-2 presence in recreational seawater and evaluation of intestine permeability: experimental evidence of low impact on public health**

Reference: Norese, C., Nicosia, E., Cortese, K., Gentili, V., De Negri Atanasio, G.,... & Izzotti, A.

Frontiers in Public Health, 12, 1326453.

[2024] **An extensive review on phenolic compounds and their potential estrogenic properties on skin physiology**

Reference: Rispo, F., De Negri Atanasio, G., Demori, I., Costa, G., Marchese, E., ... & Grasselli, E.

Frontiers in Cell and Developmental Biology

[2023] **'Operating Parameters Optimization for the Production of Liposomes Loaded with Antibodies Using a Supercritical Fluid-Assisted Process'**

Reference: Ferrari, P.F.; Trucillo, P.; De Negri Atanasio, G.;...; Palombo, D.; Reverchon, E.

Process,MDPI

[2023] **'Rotor-Stator Emulsification in the Turbulent Inertial Regime: Experiments toward a Robust Correlation for the Droplet Size'**

Reference: Campardelli, R., De Negri Atanasio, G., Carotenuto, C., Griffo, R,... & Pralits, J. O.

Langmuir,ACS

[2023] **Feasibility of Enzymatic Protein Extraction from a Dehydrated Fish Biomass Obtained from Unsorted Canned Yellowfin Tuna Side Streams: Part I.**

Reference: Grasso F, ..., De Negri Atanasio G, Grasselli E, Tiso M, Boggia R.

Gels,MDPI

[2023] **"Green Extraction and Preliminary Biological Activity of Hydrolyzed Collagen Peptides (HCPs) Obtained from Whole Undersized Unwanted Catches (Mugil cephalus L.)."**

Reference: Valentina Orlandi,....,Giulia De Negri Atanasio,Federica Grasso ,Elena Grasselli, Raffaella Boggia

Molecules,MDPI

[2022] **'First Evidence of Anti-Steatotic Action of Macrotympanain A1, an Amphibian Skin Peptide from Odorrana macrotympana'**

Reference: Demori, I.; El Rashed, Z.; De Negri Atanasio, G....; Grasselli, E.

Molecules, MDPI

[2022] **'Bevacizumab-Controlled Delivery from Polymeric Microparticle Systems as Interesting Tools for Pathologic Angiogenesis Diseases'**

Reference: De Negri Atanasio, G.; Ferrari, P.F.; Campardelli, R.; Firpo, G.; Perego, P.; Palombo, D

Polymers, MDPI

[2022] **'Bevacizumab encapsulation into PLGA nanoparticles functionalized with immunouteroglobin-1 as an innovative delivery system for atherosclerosis'**

Reference: De Negri Atanasio G., Ferrari P.F., Baião A., Perego P., Sarmento B., Palombo D., Campardelli R

International Journal of Biological Macromolecules, Elsevier

[2022] **'Innovative In Vitro Strategy for Assessing Aluminum Bioavailability in Oral Care Cosmetics'**

Reference: Allaria, G.; De Negri Atanasio, G*.; Filippini, T.; Robino, F.; Dondero, L.; ....; Grasselli, E.

Int. J. Environ. Res. Public Health,MDPI

[2021] **'Innovative nanotools for vascular drug delivery: the atherosclerosis case study'**

Reference: De Negri Atanasio, G.; Ferrari, P.F.; Campardelli, R.; Perego, P.; Palombo, D.

J. Mater. Chem. B, Royal Society of Chemistry

[2021] **'Polyphenols from Nerone Gold 26/6, a new pigmented rice, via non-conventional extractions: antioxidant properties and biological validation'**

Reference: Ferrari, P.F., Pettinato, M., Casazza, A.A., De Negri Atanasio, G., Palombo, D., Perego

Journal of Chemical Technology and Biotechnology,Wiley Online Library

[2020] **'Poly (Lactic-co-Glycolic Acid) Nanoparticles and Nanoliposomes for Protein Delivery in Targeted Therapy: A Comparative In Vitro Study.'**

Reference: De Negri Atanasio, G.; Ferrari, P.F.; Campardelli, R.; Perego, P.; Palombo, D. Polymers., MDPI

NETWORKS AND MEMBERSHIPS

[09/2023 – Current] **Belong to the COST 'CA21139 - 3Rs concepts to improve the quality of biomedical science (IMPROVE)'**

CONFERENCES AND SEMINARS

[04/09/2024 – 06/09/2024] **XXIII Meeting of the Federation of European Physiological Societies and XLI Meeting of the Spanish Society for Physiological Sciences**

Granada, Spain

De Negri Atanasio G. '**The endocrine disruptors and their impact on human physiology**' Oral presentation

Link: https://feps.org/

[04/09/2024 – 06/09/2024] **XXIII Meeting of the Federation of European Physiological Societies and XLI Meeting of the Spanish Society for Physiological Sciences**

Granada, Spain

G. De Negri Atanasio, G. Allaria, L. Dondero, F. Rispo, F. Tardanico, E. Lertora, K. Cortese , S. Ferrando , J. Markus , S. Letasiova , T. Filippini , F. Robino , M. Zanotti Russo , E. Grasselli '**Investigation of repeated aluminum exposure on the structural and functional integrity of a 3D intestinal tissue model'** Poster presentation

[03/06/2024 – 06/06/2024] **22st International Congress of the European Society of Toxicology In Vitro (ESTIV 2024)**

Prague, Czech republic

De Negri Atanasio G. G. Allaria, L. Dondero, F. Rispo,F. Tardanico, E. Lertora ,K. Cortese ,S. Ferrando, F. Soggia, J.Markus, S. Letasiova, T. Filippini, F. Robino, M. Zanotti Russo, E.Grasselli."**Evaluation of physiological repeated exposure of aluminum in a 3D intestinal tissue**" Oral presentation

Link: https://www.estiv.org/congress2024/

[22/05/2024 – 24/05/2024] **The Italian Society of Physiology (SIF) 17th Annual Meeting of Young Researchers in Physiology**

Catania, Italy

De Negri Atanasio G. G. Allaria, L. Dondero, F. Rispo,F. Tardanico, E. Lertora ,K. Cortese ,S. Ferrando, F. Soggia, J.Markus, S. Letasiova, T. Filippini, F. Robino, M. Zanotti Russo, E.Grasselli.**"Repeated exposure to aluminum in a 3D intestinal tissue: physiological evaluation"** Oral Presentation

Link: https://fisiologiaitaliana.org/YRP.php

[21/11/2023 – 24/11/2023] **European Congress of Marine Biotechnology** Malaga, Spain

De Negri Atanasio G., Allaria G., Dondero L., Rispo F., Tardanico F., Perata E., Zanotti-Russo M., Grasselli E., Casazza A.A. **'Benzophenone-3: remediation with microalgae and the following investigation of endocrine disruptor potential'** Oral Presentation

Link: http://www.esmb.org/esmb-conferences.html

[21/11/2022 – 25/11/2022]

21st International Congress of the European Society of Toxicology In Vitro (ESTIV 2022)

Sitges,Spain

De Negri Atanasio G, Robino F, Dondero L, Perata E, Rispo F, Allaria G, Tardanico F, Bruzzone F, Zanotti-Russo M, Grasselli E; '**ToxTool: an innovative database for the regulatory affair'** Poster Presentation

[21/11/2022 – 25/11/2022]

21st International Congress of the European Society of Toxicology In Vitro (ESTIV 2022)

Barcelona-Sitges, Spain

Zanotti-Russo M, Allaria G, Dondero L, De Negri Atanasio G, Rispo F, Tardanico F, Robino F, Perata E, Bruzzone F, Grasselli E; **The study on EDs and the application of the NGRA according to the guidelines SCCS NoG XI Ed: two overlapping challenges** Poster Presentation

[21/11/2022 – 25/11/2022]

21st International Congress of the European Society of Toxicology In Vitro (ESTIV 2022)

Barcelona-Sitges, Spain

Grasselli E, Allaria G, Dondero L, De Negri Atanasio G, Galliani G, Cortese K, Rispo F, Tardanico F, Filippini T, Robino F, Soggia F, Ferrando S, Aicardi S, Demori I, Markus J, Zanotti-Russo M; **'In vitro investigation of aluminum bioavailability after exposure of oral care products'** Oral Presentation

[21/11/2022 – 25/11/2022]

21st International Congress of the European Society of Toxicology In Vitro (ESTIV 2022)

Barcelona-Sitges, Spain

Dondero L, De Negri Atanasio G, Rispo F, Allaria G, Tradanico F, Turrini F, Grasso F, Orlandi V, Boggia R, Grasselli E;'**Evaluation of extracted collagen from food waste as an active ingredient for cosmetic application'** Poster presentation

[21/11/2022 – 25/11/2022]

21st International Congress of the European Society of Toxicology In Vitro (ESTIV 2022)

Barcelona-Sitges, Spain

Rispo F, Dondero L, De Negri Atanasio G, Allaria G, Tardanico F, Rosatto S, Bellisomi M, Palumbi G, Tomesani I, Iervasi E, Izzotti A, Nicosia E, Grasselli E; **'Estrogenic activity related to the presence os SARS-CoV-2 in wastewater'** Poster Presentation

[28/09/2022 – 01/10/2022]

8th International Symposium of the Federation of European Societies on Trace Elements and Minerals (FESTEM)

Madrid,Spain

Allaria G, Tardanico F, De Negri Atanasio G, Dondero L, Rispo F, Filippini T, Robino F, Soggia F, Ferrando S, Aicardi S, Demori I, Markus J, Cortese K, Cagliani M C, Zanotti-Russo M, Grasselli E;'**Assessing aluminum bioavailability in oral care products by an in vitro double step approach'** Poster Presentation

[18/09/2022 – 21/09/2022]

XVI International Congress of Toxicology (ICT 2022) UNITING IN TOXICOLOGY.

Maastricht, The Netherlands

Allaria G, Tardanico F, De Negri Atanasio G, Dondero L, Rispo F, Filippini T, Robino F, Soggia F, Ferrando S, Aicardi S, Demori I, Markus J, Cortese K, Cagliani M C, Zanotti-Russo M, Grasselli E; **'Innovative in vitro strategy for assessing aluminum bioavailability in oral care products'** Poster Presentation

[05/2021] **cREOgiovani conference 2021**

De Negri Atanasio G, Pralits O.J, Campardelli R. **'Production of emulsion with rotor-stator emulsification and mathematical validation based on experimental data'** Oral resentation

[2021] **The Controlled Release Society (CRS)** Virtual Meeting

De Negri Atanasio G., Ferrari P.F.; Sarmento B., Perego P., Palombo D., Campardelli R. **'PLGA–PEG-based nanosystem for a vascular-intended drug delivery'** Poster presentation

[03/07/2019 – 06/07/2019] **National congress 'Il contributo dell'Ingegneria Chimica Italiana alla sostenibiltà globale' GRICU**

Palermo,Italy

De Negri Atanasio G., Ferrari P.F., Campardelli R., Palombo D. and Perego P. '**Production and characterization of polymeric nanoparticles for the controlled release of model proteins'** Oral Presentation

[03/06/2019 – 06/06/2019] **National congress 'Il contributo dell'Ingegneria Chimica Italiana alla sostenibiltà globale' GRICU**

Palermo, Italy

De Negri Atanasio G., Ferrari P.F., Pane B., Pralits O.J. Palombo D., and Perego P. '**Study of vascular prosthesis in bioreactor'** Poster presentation

HONOURS AND AWARDS

[06/06/2024] **Best Oral presentation Awarding institution:** 22st International Congress of the European Society of Toxicology In Vitro (ESTIV 2024)

[24/11/2023] **Best Oral Presentation Awarding institution:** European Congress of Marine Biotechnology, Malaga

Link: http://www.esmb.org/uploads/3/0/6/1/30615361/list_of_awardees.pdf

THESIS CO-ADVISOR

[2024] **Erica Trebiani 'Produzione e caratterizzazione di nanocarriers liposomiali per l'incapsulamento di quercetina' Master's Degree thesis degree in Biology, University of Genoa**

Write here the description...

[2023] **Erica Lertora 'Valutazione del potere rimarginante di molecole bioattive estratte dai sottoprodotti della pesca in modelli cellulari e analisi tramite intelligenza artificiale' Master's Degree thesis degree in Biology, University of Genoa**

[2021] **Veronica De Mattei 'Vascular prostheses production and engineering by electrospun polymeric materials' Master's Degree thesis degree in chemical engineering, University of Genoa**

[2021] **Viola Prando 'Studio dell'effetto del tipo e della concentrazione dei tensioattivi per la produzione e stabilizzazione di emulsioni a base di isopropilmiristato' bachelor's degree in chemical engineering, University of Genoa**

[2021] **Maia Clericuzio 'La tomatidina: un composto di origine naturale con elevate potenzialità in campo farmaceutico' bachelor's degree in chemical engineering, University of Genoa**

[2021] **Lucrezia Lodi 'Studio di fattibilità di sistemi microparticellari polimerici per il rilascio controllato di Bevacizumab' bachelor's degree in chemical engineering, University of Genoa**

[2021] **Alessio Del Lungo 'Produzione di emulsioni con emulsionatore rotore/statore, validazione di modelli matematici sulla base di dati sperimentali' bachelor's degree in chemical engineering, University of Genoa**

[2018 – 2019] **Veronica De Mattei 'Studio e modellazione matematica di protesi vascolari biodegradabili ed ingegnerizzate di piccolo calibro in bioreattore' 2019 bachelor's degree in chemical engineering, University of Genoa**

ORGANISATIONAL SKILLS

Chairman at The Italian Society of Physiology (SIF) 17th Annual Meeting of Young Researchers in Physiology; Catania, Italy, 22-24 May, 2024

Autorizzo il trattamento dei miei dati personali presenti nel CV ai sensi dell'art. 13 d. lgs. 30 giugno 2003 n. 196 - "Codice in materia di protezione dei dati personali" e dell'art. 13 GDPR 679/16 - "Regolamento europeo sulla protezione dei dati personali".

Genova, 30/07/2025

Giulia De Negri Atanasio