



Andrea Errico

Nationality: Italian **Date of birth:** 14/08/1990 **Gender:** Male

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ABOUT ME

I am Andrea, a lover of life and a seeker of happiness.
I am passionate about literature, poetry and above all science, which became my friend by chance and then by choice.
I like interacting with people and sharing ideas and experiences.
Life has given me a suffering called Neurofibromatosis, which accompanies me every day and to date it is my strength.
I decided to transform my disease into a useful tool for scientific research and patients.
I am very motivated and constantly set myself goals to achieve.
Resilience is a value I wear comfortably.
Finding a cure for NF will be my greatest joy!

EDUCATION AND TRAINING

PhD in Biomolecular Medicine - awaiting for thesis defense in September

University of Verona [10/2020 – Current]

City: Verona | **Country:** Italy | **Level in EQF:** EQF level 8 | **Thesis:** In Vitro Prediction of Response to hCG Therapy in Patients with Cryptorchidism and Testicular Torsion in a Gubernaculum-based Model

MASTER'S DEGREE IN BIOMOLECULAR AND CELL SCIENCES (LM-6)

University of Ferrara [14/03/2018]

City: Ferrara | **Country:** Italy | **Field(s) of study:** Natural sciences, mathematics and statistics: ● Biology ● Biological and related sciences not elsewhere classified | **Final grade:** 105/110 | **Level in EQF:** EQF level 7 | **Thesis:** Neurofibromatosis type 1: study of molecular cascades triggered by the absence of neurofibromin in murine and human cellular models

Internship - Project: Pediatric oncology, study of Neurofibromatosis type 1

Dept. of Cardiac, Thoracic, Vascular Sciences and Public Health (DiCTV)
Molecular Oncology Lab

BACHELOR'S DEGREE IN BIOLOGICAL SCIENCES (L-13)

University of Ferrara [18/12/2012]

City: Ferrara | **Country:** Italy | **Field(s) of study:** Natural sciences, mathematics and statistics: ● Biology | **Final grade:** 99/110 | **Level in EQF:** EQF level 6 | **Thesis:** Interleukin-1 Beta (rs16944) in neurodegenerative diseases of Alzheimer's and Multiple Sclerosis

Internship - Project: Study of the role of interleukin 1-beta in Alzheimer Disease and Multiple Sclerosis.

Dept. of Life Sciences and Biotechnology (SvEB)

HIGH SCHOOL LEAVING QUALIFICATION IN CLASSICAL STUDIES

Liceo Classico Benedetto Marzolla [2004 – 2009]

City: Brindisi | **Country:** Italy | **Final grade:** 90/100 | **Level in EQF:** EQF level 4

WORK EXPERIENCE

Research fellow

University of Verona [01/01/2024 – Current]

City: Verona | **Country:** Italy

Project: Targeting cancer stem cell metabolism by exploiting ncRNAs to improve drug therapy outcome in lung cancer.

Dept. of Neuroscience, Biomedicine and Movement Sciences (DNBM)
Biological Chemistry Section

Visiting PhD student

Vrije Universiteit Brussel [09/01/2023 – 30/06/2023]

City: Brussels | Country: Belgium

Project: **Generation and characterization of testicular organoids**

Biology of the Testis Lab

Scholarship holder

University of Padova [12/2019 – 07/2020]

City: Padova | Country: Italy

Project: **Neurofibromatosis type 1: evaluation of the role of the autophagic process in complex cellular models.**

Dept. of Surgery, Oncology and Gastroenterology (DiSCOG)

Molecular Biology Lab - Campus Biomedico "Pietro D'Abano"

Research fellow

University of Padova [11/2018 – 11/2019]

City: Padova | Country: Italy

Project: **Interaction between the misfolded protein response and autophagy/apoptosis in primary and secondary liver tumors.**

Dept. of Surgery, Oncology and Gastroenterology (DiSCOG)

Molecular Biology Lab - Campus Biomedico "Pietro D'Abano"

Scholarship holder

University of Padova [06/2018 – 10/2018]

City: Padova | Country: Italy

Project: **Identification of molecular determinants underlying the etiology of neurofibromas in patients affected by Neurofibromatosis type 1.**

Dept. of Cardiac, Thoracic, Vascular Sciences and Public Health (DiCTV)

Molecular Oncology Lab

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

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

PUBLICATIONS

MITOCHONDRIAL DYNAMICS AS POTENTIAL MODULATORS OF HORMONAL THERAPY EFFECTIVENESS IN MALES REVIEW

Author(s): **Andrea Errico**, Sara Vinco, Giulia Ambrosini, Elisa Dalla Pozza, Nunzio Marroncelli, Nicola Zampieri, Ilaria Dando
BIOLOGY 2023; 12(4):547; doi: 10.3390/biology12040547.

DIVERGENT ROLES OF MITOCHONDRIA DYNAMICS IN PANCREATIC DUCTAL ADENOCARCINOMA REVIEW

Author(s): Cristian Andres Carmona-Carmona, Elisa Dalla Pozza, Giulia Ambrosini, **Andrea Errico** and Ilaria Dando
CANCERS 2022; 14(9), 2155; doi: 10.3390/cancers14092155

TESTICULAR TORSION: PRELIMINARY RESULTS OF IN VITRO CELL STIMULATION USING CHORIONIC GONADOTROPIN ARTICLE

Author(s): **Andrea Errico**, Francesco Saverio Camoglio, Nicola Zampieri and Ilaria Dando

NEUROFIBROMIN DEFICIENCY AND EXTRACELLULAR MATRIX COOPERATE TO INCREASE TRANSFORMING POTENTIAL THROUGH FAK-DEPENDENT SIGNALING

ARTICLE

Author(s): Andrea Errico, Anna Stocco, Vincent M Riccardi, Alberto Gambalunga, Franco Bassetto, Martina Grigatti, Amedeo Ferlosio, Gianluca Tadini, Debora Garozzo, Stefano Ferraresi, Andrea Trevisan, Sandra Giustini, Andrea Rasola, Federica Chiara
CANCERS 2021; 13(10):2329. doi: 10.3390/cancers13102329.

GENE AND PROTEIN EXPRESSION OF mTOR AND LC3 IN HEPATOCELLULAR CARCINOMA, COLORECTAL LIVER METASTASIS AND "NORMAL" LIVER TISSUES

ARTICLE

Author(s): Marina Bortolami, Alessandra Comparato, Clara Benna, Andrea Errico, Isacco Maretto, Salvatore Pucciarelli, Umberto Cillo, Fabio Farinati
PLOS ONE 2020; 15(12): e0244356. doi: 10.1371/journal.pone.0244356.

SCIENTIFIC PRESENTATIONS

[30/06/2024]

IN VITRO EFFECT OF HCG ON CRYPTORCHID PATIENTS' GUBERNACULAR CELLS: A PREDICTIVE MODEL FOR ADJUVANT PERSONALIZED THERAPY

POSTER PRESENTATION

Author(s): Andrea Errico, Giulia Ambrosini, Sara Vinco, Emanuela Bottani, Elisa Dalla Pozza, Nunzio Marroncelli, Jessica Brandi, Daniela Cecconi, Ilaria Decimo, Filippo Migliorini, Nicola Zampieri and Ilaria Dando

The 48th FEBS Congress - Allianz MI-Co - Milano Convention Center - Milano, Italy

[18/06/2023]

IN VITRO CULTURE OF GUBERNACULAR CELLS: A MODEL TO PREDICT THE BEST ADJUVANT THERAPEUTIC APPROACH FOR CRYPTORCHID PATIENTS

FLASH TALK

Author(s): Andrea Errico, Sara Vinco, Nicola Zampieri and Ilaria Dando

22nd European Testis Workshop - Caux Palace - Montreux, Switzerland

[10/11/2019]

DIFFERENT MODULATION OF AUTOPHAGY FLOW IN PRIMARY AND SECONDARY LIVER CANCER

POSTER PRESENTATION

Author(s): Andrea Errico, Alessandra Comparato, Isacco Maretto, Clara Benna, Chiara Carlotto, Milena Minotto, Romilda Cardin, Umberto Cillo, Salvatore Pucciarelli, Fabio Farinati and Marina Bortolami

AASLD - THE LIVER MEETING - Hall B - Hynes Convention Center - Boston, Massachusetts

ABSTRACTS / POSTERS FOR CONGRESS ATTENDANCES

[30/06/2024]

POSTER - PRESERVATION OF THE FERTILE POTENTIAL OF CRYPTORCHID BOYS BY GENERATING IN VITRO FUNCTIONAL EX-NOVO LEYDIG-LIKE CELLS STARTING FROM GUBERNACULUM TESTIS BIOPSIES

Author(s): Sara Vinco, Andrea Errico, Nicola Zampieri and Ilaria Dando

The 48th FEBS Congress - Milano, Italy

[03/06/2024 - 06/06/2024]

ABSTRACT - REPURPOSING TRANSGENDER TISSUE: ANDROGENIC TESTICULAR ORGANOID FOR HIGH-THROUGHPUT APPLICATIONS

Author(s): Samuel Silva, Guillaume Richer, **Andrea Errico**, Katerina Papageorgiou, Tamara Vanhaecke, Ellen Goossens, Yoni Baert
22nd International Congress - ESTIV 2024 - Prague, Czech Republic

[27/05/2024]

ABSTRACT - THE TESTICULAR ORGANOID AS A MODEL TO STUDY THE IMPACT OF ENDOCRINE-DISRUPTING CHEMICALS ON STEROIDOGENESIS

Author(s): Katerina Papageorgiou, Samuel Silva, **Andrea Errico**, Tamara Vanhaecke, Ellen Goossens and Yoni Baert
16th NYRA Meeting - Brussels, Belgium

[27/05/2024]

POSTER - TESTICULAR TORSION: ORCHIECTOMY OR ORCHIOPEXY? IDENTIFICATION OF SERUM AND TESTICULAR MOLECULAR MARKERS TO SUPPORT SURGEONS DURING DEROTATION

Author(s): Sara Vinco, Elisa Dalla Pozza, Giulia Ambrosini, **Andrea Errico**, Nunzio Marroncelli, Nicola Zampieri and Ilaria Dando
16th NYRA Meeting - Brussels, Belgium

[11/03/2024]

POSTER - TESTICULAR ORGANOID: A MODEL TO STUDY THE IMPACT OF ENDOCRINE-DISRUPTING CHEMICALS ON STEROIDOGENESIS

Author(s): Katerina Papageorgiou, Samuel Silva, **Andrea Errico**, Tamara Vanhaecke, Ellen Goossens and Yoni Baert
10th Copenhagen Workshop on Endocrine Disruptors - COW2024

[18/06/2023]

MINIPOSTER - IN VITRO GENERATION OF FUNCTIONAL LEYDIG-LIKE CELLS STARTING FROM GUBERNACULUM TESTIS BIOPSIES OF CRYPTORCHID PATIENTS

Author(s): Sara Vinco, **Andrea Errico**, Nicola Zampieri and Ilaria Dando
22nd European Testis Workshop - Caux Palace - Montreux, Switzerland

[10/03/2023 – 13/03/2023]

ABSTRACT - IS AGE-DEPENDENT THE EFFECT OF HCG-ADJUVANT THERAPY? A MOLECULAR PERSPECTIVE OF HCG TREATMENT ON GUBERNACULAR CELLS DERIVED FROM CRYPTORCHID PATIENTS

Author(s): **Andrea Errico**, Sara Vinco, Filippo Migliorini, Nicola Zampieri, Ilaria Dando
European Association of Urology EAU23 - Milano, Italy

[07/10/2022 – 11/10/2022]

ABSTRACT - RESPONSE TO CHORIONIC GONADOTROPIN TREATMENT OF CRYPTORCHID PATIENTS AFTER ORCHIOPEXY: PREDICTION OF THE EFFECT BY USING PATIENTS' DERIVED GUBERNACULUM IN VITRO MODEL

Author(s): Nicola Zampieri, **Andrea Errico**, Sara Vinco, Ilaria Dando
9th Congress of the European Academy of Paediatric Societies (EAPS 2022)

[2020]

ABSTRACT - IN LIVER CANCERS, AUTOPHAGY OR APOPTOSIS, THAT IS THE QUESTION

Author(s): **Andrea Errico**, Isacco Maretto, Clara Benna, Chiara Carlotto, Milena Minotto, Romilda Cardin, Umberto Cillo, Salvatore Pucciarelli, Fabio Farinati and Marina Bortolami
Digestive Disease Week - DDW 2020

CONFERENCES AND SEMINARS

[29/06/2024 – 03/07/2024] Allianz MI-Co - Milano Convention Center – Milano, Italy

The 48th FEBS CONGRESS - Poster presenter

[20/06/2024 – 25/06/2024] The EGG Brussels – Brussels, Belgium

2024 Global NF Conference - Attendee as representative of Associazione Linfa OdV

[18/06/2023 – 22/06/2023] Caux Palace - Montreux, Switzerland

22nd European Testis Workshop - Flash talk presenter

[17/06/2023 – 18/06/2023] Caux Palace - Montreux, Switzerland

15th NYRA Meeting

[10/10/2022 – 11/10/2022] Mercure Manchester Piccadilly Hotel - Manchester, United Kingdom

20th European Neurofibromatosis Meeting - Attendee as representative of Associazione Linfa OdV

[28/02/2021] Held online

Nel prisma della rarità - Riflessi e riflessioni intorno ai pazienti con neurofibromatosi - Speaker

[22/02/2020] Sala Elettra – Centro Congressi – Palazzo della Salute, Via San Francesco 94, Padova, Italy

GIORNATA DEL MALATO RARO - PAZIENTIRARI IN CERCA D'AUTORE - Scientific committee member

[08/11/2019 – 12/11/2019] Hynes Convention Center Boston, Massachusetts

AASLD – THE LIVER MEETING - Poster presenter

[04/10/2019] Sala Convegni VIMM – Padova, Italy

ONCORETE, SHARING AND INNOVATION SYSTEM - Attendee as representative of Associazione Linfa OdV

VOLUNTEERING

[2023 – Current] Padova

Vicepresident of Associazione Linfa OdV

HONOURS AND AWARDS

[05/2024] SIB

SIB GRANT for 48th FEBS Congress

[17/06/2023] NYRA

NYRA - TRAVEL AWARD

[10/11/2019] AASLD – THE LIVER MEETING

Poster of distinction: “Different modulation of autophagy flow in primary and secondary liver cancer”

[2018] Club Ignoranti - Padova

PREMIO DE MARZI - PATAVIUM 2018

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Verona, 12/07/2024

