

Curriculum Vitae**PERSONAL INFORMATION**

Surname and name **MALFATTI Matilde Clarissa**
 Place of birth Torino, Italy
 Date of birth December 14th, 1990

CONTRIBUTIONS TO SCIENCE

- First author publications: 7
- Total publications in peer reviewed international journals: 17
- ORCID ID: <https://orcid.org/0000-0002-8101-568X>
- Scopus Author ID: 56587718300
- Citing Articles (Scopus): 366
- Sum of Times Cited (Web of Science): 360
- Sum of Times Cited without self-citations (Web of Science): 295
- Citing Articles (Web of Science): 271
- Citing Articles without self-citations (Web of Science): 258
- Average Citations per Item (Web of Science): 18.95
- **h-index (Scopus): 11**
- **h-index (Google Scholar): 12**
- **h-index (Web of Science): 11**
- **Total impact factor: 109**

WORK EXPERIENCE

- 2022 to 2025 Subject expert (Cultrice della materia) in Molecular Biology**
 (SSD: BIO/11) for the following courses:
- “*Biologia molecolare – modulo I*”, CdL *Biotechnologie*;
 - “*Metodologie di Proteomica (Modulo di Biologia Molecolare)*”, CdL *magistrale Biotechnologie Molecolari*
- at *University of Udine, Udine, Italia*
Department of Medicine (DMED)
- from **03/16/2019 to 03/15/2024 Postdoctoral Research Fellow**
 at *University of Udine, Udine, Italia*
Full Professor Gianluca Tell (gianluca.tell@uniud.it)
Laboratory of Molecular Biology and DNA Repair
Department of Medicine (DMED)
- activities Project title: “Unveiling the role of Ape1 in regulating tumor cell resistance to chemotherapy through miRNAs processing in HCC and NSCL”. Funding Agency: AIRC (AIRC IG2017_19862). SSD 05/E2 – BIO/11.
- from **03/16/2018 to 03/15/2019 Postdoctoral Research Fellow**
 at *University of Udine, Udine, Italia*
Full Professor Gianluca Tell (gianluca.tell@uniud.it)
Laboratory of Molecular Biology and DNA Repair
Department of Medicine (DAME)
- activities Project title: “Ribose-seq profile and analysis of ribonucleotides in DNA of oxidatively-stressed and cancer cells”. Funding Agency: NIH (NIH Subcontract No. RH226-S1). SSD 05/E2 – BIO/11.
- from **11/16/2017 to 03/15/2018 Term contract Postdoctoral Researcher**
 at *University of Udine, Udine, Italia*
Full Professor Gianluca Tell (gianluca.tell@uniud.it)
Laboratory of Molecular Biology and DNA Repair

Department of Medicine (DAME)
activities Project title: “Ribose-seq profile and analysis of ribonucleotides in DNA of oxidatively-stressed and cancer cells”. Funding Agency: NIH (NIH Subcontract No. RH226-S1). SSD 05/E2 – BIO/11.

EDUCATION AND VOCATIONAL TRAINING

- 2018-2019** Training course (*Percorso formativo 24 CFU*) for the acquisition of 24 credits for the access to competitions for teaching in secondary school.
University of Udine
- 2014-2017** **Ph.D. in “Biomedical Science and Biotechnology” - XXX° cycle**
University of Udine, Udine, Italy
 Thesis Title: “Novel roles of DNA damage repair enzymes in the processing of modified ribonucleotides embedded in DNA”.
 Supervisor: Full Professor Gianluca Tell (gianluca.tell@uniud.it)
 Coordinator: Full Professor Claudio Brancolini
Laboratory of Molecular Biology and DNA Repair
Department of Medicine (DAME)
Defense of the PhD thesis: March 2nd, 2018
- 2012-2014** **Master’s degree in “Medical Biotechnology” - LM-9 D.M. 270/2004**
University of Udine, Udine, Italia
 Score: 110/110 *cum laude*
 Thesis Title: “Small molecule inhibitors of APE1 functions for novel anticancer strategies”.
 Supervisor: Full Professor Gianluca Tell (gianluca.tell@uniud.it)
Laboratory of Molecular Biology and DNA Repair
Department of Medicine (DAME)
Thesis Defense: July 18th, 2014
- 2009-2012** **Bachelor’s degree in “Medical Biotechnology” - D.M. 509/1999**
University of Udine, Udine, Italia
 Score: 110/110 *cum laude*
 Thesis Title: “Caratterizzazione di Inibitori dell’Interazione APE1/NPM1: Potenziali Applicazioni nella Terapia Combinata”.
 Supervisor: Full Professor Gianluca Tell (gianluca.tell@uniud.it)
Laboratory of Molecular Biology and DNA Repair
Department of Medicine (DAME)
Thesis Defense: July 30th, 2012
- 2004-2009** **High School Diploma in scientific subjects**
Scientific High School ‘M. Flaminio’
Vittorio Veneto, Treviso, Italy.
 Score: 72/100.

OTHER PROFESSIONAL EXPERIENCES

- 09/2017** **Local Organization Committee, Book of Abstracts, of the European and International meeting “The 6th EU-US DNA Repair Meeting 2017”**
University of Udine, Udine, Italy
 September 24th-28th, 2017.
- 2022** **Training and teaching support for the “Medicine and surgery” single cycle degree for the Molecular Biology course**
Department of Medicine (DAME)
University of Udine, Udine, Italy.

From **2012 to now** **Job-Placement for International Students**
 Laboratory of Molecular Biology and DNA Repair
 Full Professor Gianluca Tell (gianluca.tell@uniud.it)
 Department of Medicine (DAME)
 University of Udine, Udine, Italy.

02/2015-07/2015 **PhD Internship (6 months)**
 at Georgia Institute of Technology, Atlanta, USA
 Associate Professor Francesca Storici
 (francesca.storici@biology.gatech.edu)
 School of Biological Sciences.

activities Generation and manipulation of genetically engineered budding yeast model system aiming to investigate new mechanisms of DNA repair.

from **2011 to 2014** **Academic Internship**
 at University of Udine, Udine, Italia
 Full Professor Gianluca Tell (gianluca.tell@uniud.it)
 Laboratory of Molecular Biology and DNA Repair
 Department of Medicine (DAME)

TEACHING

from **10/01/2022 to 09/30/2023** **Teaching contract (50 hours)**
 at University of Udine, Udine, Italia
 DIPARTIMENTO DI SCIENZE AGROALIMENTARI AMBIENTALI E ANIMALI (DI4A)

activities Teaching for the “Proteomic methodologies applied to genomic stability” / “Metodologie di proteomica applicate alla stabilità genomica” course, SSD 05/E2 – BIO/11, master’s degree course in Molecular Biotechnology, a.y 2022/2023.

from **09/26/2023 to 12/22/2023** **Teaching assistant (18 hours)**
 at University of Udine, Udine, Italia
 DIPARTIMENTO DI AREA MEDICA (DAME)

activities Teaching assistant for the “Mod.I Molecular Biology” / “Mod.I Biologia Molecolare” course, SSD 05/E2 – BIO/11, bachelor’s degree course in Biotechnology, a.y 2023/2024.
 Responsible for teaching: Full Professor Gianluca Tell

from **02/27/2023 to 06/09/2023** **Teaching assistant (16 hours)**
 at University of Udine, Udine, Italia
 DIPARTIMENTO DI AREA MEDICA (DAME)

activities Teaching assistant for the “Mod.I Molecular Biology” / “Mod.I Biologia Molecolare” course, SSD 05/E2 – BIO/11, bachelor’s degree course in Biotechnology, a.y 2022/2023.
 Responsible for teaching: Full Professor Gianluca Tell

from **02/28/2022 to 06/10/2022** **Teaching assistant (10 hours)**
 at University of Udine, Udine, Italia
 DIPARTIMENTO DI SCIENZE AGROALIMENTARI AMBIENTALI E ANIMALI (DI4A)

activities Teaching assistant for the “Proteomic methodologies applied to genomic stability” / “Metodologie di proteomica applicate alla stabilità genomica” course, SSD 05/E2 – BIO/11, master’s degree course in Molecular Biotechnology, a.y 2021/2022.
 Responsible for teaching: Associate Professor Giulia Antoniali

from **09/27/2021 to 06/10/2022** **Teaching assistant (18 hours)**

- at *University of Udine, Udine, Italia*
DIPARTIMENTO DI AREA MEDICA (DAME)
activities Teaching assistant for the “Mod.I Molecular Biology” / “Mod.I Biologia Molecolare” course, SSD 05/E2 – BIO/11, bachelor’s degree course in Biotechnology, a.y 2021/2022.
 Responsible for teaching: *Full Professor Gianluca Tell*
- from **03/04/2019** to **06/14/2019** **Teaching assistant (15 hours)**
 at *University of Udine, Udine, Italia*
DIPARTIMENTO DI SCIENZE AGROALIMENTARI AMBIENTALI E ANIMALI (DI4A)
activities Teaching assistant for the “Proteomic methodologies applied to genomic stability” / “Metodologie di proteomica applicate alla stabilità genomica” course, SSD 05/E2 – BIO/11, master’s degree course in Molecular Biotechnology, a.y 2018/2019.
 Responsible for teaching: *Full Professor Gianluca Tell*
- from **03/05/2018** to **06/15/2018** **Teaching assistant (24 hours)**
 at *University of Udine, Udine, Italia*
DIPARTIMENTO DI SCIENZE AGROALIMENTARI AMBIENTALI E ANIMALI (DI4A)
activities Teaching assistant for the “Proteomic methodologies applied to genomic stability” / “Metodologie di proteomica applicate alla stabilità genomica” course, SSD 05/E2 – BIO/11, master’s degree course in Molecular Biotechnology, a.y 2017/2018.
 Responsible for teaching: *Full Professor Gianluca Tell*
- from **09/25/2017** to **01/19/2018** **Teaching assistant (10 hours)**
 at *University of Udine, Udine, Italia*
DIPARTIMENTO DI SCIENZE AGROALIMENTARI AMBIENTALI E ANIMALI (DI4A)
activities Teaching assistant for the “Life sciences” / “Acquisizioni nel settore scienze della vita” course, SSD 05/E1 – BIO/10, master’s degree course in Molecular Biotechnology, a.y 2017/2018
 Responsible for teaching: *Professor Bruno Stefanon*

MENTOR OF ACADEMIC THESIS

1. “*Ruolo delle proteine APE1 e AUF1 nel processamento dei miRNA-221/222*”, Bachelor’s degree in “Biotechnologie”, University of Udine, Supervisor: Associate Professor G. Antoniali, co-supervisor: **Matilde Clarissa Malfatti**, graduate student: Carlotta Medessi, A.Y. 2022-2023
2. “*Biochemical and functional characterization of the interaction between hnRNP E1 and APE1 on i-motif structures*”, Master’s degree in “Biotechnologie Molecolari”, University of Udine, Supervisor: Full Professor G. Tell, co-supervisor: **Matilde Clarissa Malfatti**, graduate student: Alessia Bellina, A.Y. 2021-2022
3. “*Caratterizzazione di AUF1 nel processamento di ribonucleotidi ossidati*”, Bachelor’s degree in “Biotechnologie”, University of Udine, Supervisor: Full Professor G. Tell, co-supervisor: **Matilde Clarissa Malfatti**, graduate student: Alessia Bellina, A.Y. 2019-2020
4. “*Meccanismi molecolari responsabili del processamento di ribonucleotidi abasic*”, Bachelor’s degree in “Biotechnologie”, University of Udine, Supervisor: Full Professor G. Tell, co-supervisor: **Matilde Clarissa**

- Malfatti**, graduate student: Xhaffer Tanushi, A.Y. 2018-2019
5. “*Messa a punto di condizioni di stress ossidativo in cellule tumorali*”, Bachelor’s degree in “Biotechnologie”, University of Udine, Supervisor: Full Professor G. Tell, co-supervisor: **Matilde Clarissa Malfatti**, graduate student: Anna Sbalchiero, A.Y. 2017-2018
 6. “*Meccanismi di riparazione dei ribonucleotidi ossidati incorporati nel DNA in cellule umane*”, Bachelor’s degree in “Biotechnologie”, University of Udine, Supervisor: Full Professor G. Tell, co-supervisor: **Matilde Clarissa Malfatti**, graduate student: Ilaria Rosso, A.Y. 2015-2016.

CO-SUPERVISOR OF PHD STUDENTS

Alessia Bellina

Ph.D. student in “Biomedical Science and Biotechnology” - XXXVIII° cycle

University of Udine, Udine, Italy

Project: Investigating non canonical DNA-RNA secondary structures: from their repair mechanism to their role in the miRNA processing pathway.

MEMBERSHIP

- Società Italiana di Mutagenesi Ambientale e Genomica (S.I.M.A.G.)
- Società Italiana di Biochimica e Biologia Molecolare – Italian Society of Biochemistry and Molecular Biology (SIB)
- Società Italiana di Biofisica e Biologia Molecolare - The Italian Society of Biophysics and Molecular Biology (SIBBM)

REFEREE FOR THE FOLLOWING JOURNALS

- International Journal of Medical Sciences
- Bioengineered
- Cancers
- Cells
- Journal of Cellular and Molecular Medicine

ACTIVE PARTECIPATION TO NATIONAL AND INTERNATIONAL SCIENTIFIC PROJECTS

Fondazione AIRC per la Ricerca sul Cancro (AIRC):

Title of the project: Unveiling the role of Ape1 in regulating tumor cell resistance to chemotherapy through miRNAs processing in HCC and NSCL, AIRC IG2017_19862, 2017, PI: Full Professor Gianluca Tell

National Institutes of Health (NIH):

Title of the project: Ribose-seq profile and analysis of ribonucleotides in DNA of oxidatively-stressed and cancer cells, NIH Subcontract No. RH226-S1, 2015, PI: Associated Professor Francesca Storici

INTERNATIONAL MEETING AND CONFERENCES

- October 12th –15th, 2022** **EMBO | EMBL Symposium: The complex life of RNA**
Virtual EMBL conference
- November 23th –25th, 2021** **SIMPOSIO S.I.M.A.G.**
La risposta cellulare al danno al DNA e l'integrità del genoma: le nuove frontiere della ricerca biomedica e ambientale
Virtual ISS webinar
Oral Presenter: “*AUF1 recognizes 8-oxo-guanosine embedded in DNA and stimulates APE1 endodeoxyribonuclease activity*”, **M.C. Malfatti**, M. Codrich, E. Dalla, C. D'Ambrosio, A. Scaloni, F. Storici, G. Tell.
- March 9th –12th, 2021** **EMBO | EMBL Symposium: Friend or Foe: Transcription & RNA meet DNA Replication & Repair**
Virtual EMBL conference
Poster Presenter: “*AUF1 recognizes 8-oxo-guanosine embedded in DNA and stimulates APE1 endoribonuclease activity*”, **M.C. Malfatti**, M. Codrich, E. Dalla, C. D'Ambrosio, A. Scaloni, F. Storici, G. Tell.
- July 3rd, 2020** **EMBL Conference: SARS-CoV2: Towards a New Era in Infection Research**
Virtual EMBL conference
- September 26th –28th, 2019** **Joint Meeting AGI-SIMAG**
Centro Convegno S. Agostino, Cortona, Arezzo, Italy
Oral Presenter: “*Novel roles of DNA damage repair enzymes in the processing of modified ribonucleotides embedded in DNA*”.
- January 25th, 2018** **The Second PreCanMed Workshop**
Palazzo Garzolini di Toppo Wassermann, University of Udine, Udine, Italy
- September 24th –28th, 2017** **The 6th EU-US DNA Repair Meeting 2017**
University of Udine, Udine, Italy
Poster Presenter: “*Human APE1 is able to recognize and repair modified ribonucleotides embedded in DNA which are not processed by RNase H2*”, **M.C. Malfatti**, S. Balachander, G. Antoniali, K.D. Koh, C. Saint-Pierre, D. Gasparutto, H. Chon, R.J. Crouch, F. Storici, G.Tell.
- May 25th – June 5th, 2017** **PhD expo 2017**
Campus Rizzi, University of Udine, Udine, Italy
Poster Presenter: “*Repair of modified ribonucleotides embedded in DNA*”, **M.C. Malfatti**, G. Tell.
- May 11th – 13th, 2017** **PhD Students Meeting: Life Science for a Better Future**
Auditorium, Santa Margherita Ligure, Italy
Oral Presenter: “*Repair of modified ribonucleotides embedded in DNA*”.
- June 5th –10th, 2016** **Mutagenesis GRC Conference**
*Gordon Research Conference
PGA Catalunya Business and Convention Centre, Girona, Spain*
Poster Presenter: “*BER enzymes contribution to recognition and repair of modified ribonucleotides embedded in DNA*”, **M.C. Malfatti**, D. Gasparutto, S. Balachander, F. Storici, G. Tell.

PUBLICATIONS

1. “*Revisiting Two Decades of Research Focused on Targeting APE1 for Cancer Therapy: The Pros and Cons*”, **Matilde Clarissa Malfatti**, Alessia Bellina, Giulia Antoniali, Gianluca Tell. *Cells*, 2023, DOI: 10.3390/cells12141895. 5 year – IF: 6.7

2. "AUF1 Recognizes 8-Oxo-Guanosine Embedded in DNA and Stimulates APE1 Endoribonuclease Activity", **Matilde Clarissa Malfatti**, Marta Codrich, Emiliano Dalla, Chiara D'Ambrosio, Francesca Storici, Andrea Scaloni, Gianluca Tell. *Antioxid Redox Signal*, 2023, DOI: 10.1089/ars.2022.0105. 5 year – IF: 8.2
3. "Role of condensates in modulating DNA repair pathways and its implication for chemoresistance", Giuseppe Dall'Agnese, Alessandra Dall'Agnese, Salman F Banani, Marta Codrich, **Matilde Clarissa Malfatti**, Giulia Antoniali, Gianluca Tell. *Journal of Biological Chemistry*, 2023, DOI: 10.1016/j.jbc.2023.104800. 5 year – IF: 4.8
4. "APE1 interacts with the nuclear exosome complex protein MTR4 and is involved in cisplatin- and 5-fluorouracil- induced RNA damage response", Marta Codrich, Monica Degrassi, **Matilde Clarissa Malfatti**, Giulia Antoniali, Andrea Gorassini, Dilara Ayyildiz, Rossella De Marco, Giancarlo Verardo and Gianluca Tell. *The FEBS Journal*, 2022, DOI:10.1111/febs.16671. 5 year – IF: 5.4
5. "Combining Deep Phenotyping of Serum Proteomics and Clinical Data via Machine Learning for COVID-19 Biomarker Discovery", Antonio Paolo Beltrami, Maria De Martino, Emiliano Dalla, **Matilde Clarissa Malfatti**, Federica Caponnetto, Marta Codrich, Daniele Stefanizzi, Martina Fabris, Emanuela Sozio, Federica D'Aurizio, Gian Luca Foresti, Carlo E. M. Pucillo, Leonardo A. Sechi, Carlo Tascini, Francesco Curcio, Claudio Picciarelli, Axel De Nardin, Gianluca Tell and Miriam Isola. *International Journal of Molecular sciences*, 2022, 23, 9161, DOI: <https://doi.org/10.3390/ijms23169161>. 5 year – IF: 6.2
6. "Coping with RNA damage with a focus on APE1, a BER enzyme at the crossroad between DNA damage repair and RNA decay", **Matilde Clarissa Malfatti**, Giulia Antoniali, Marta Codrich, Gianluca Tell. *DNA repair, Special Issue Cutting Edge Perspectives on Genome maintenance VIII*, 2021, 104, 103133, DOI: 10.1016/j.dnarep.2021.103133. 5 year – IF: 3.9.
7. "Integrated multi-omics analyses on patient-derived CRC organoids highlight altered molecular pathways in colorectal cancer progression involving PTEN", Marta Codrich, Emiliano Dalla, Catia Mio, Giulia Antoniali, **Matilde Clarissa Malfatti**, Stefania Marzinotto, Mariaelena Pierobon, Elisa Baldelli, Carla Di Loreto, Giuseppe Damante, Giovanni Terrosu, Carlo Ennio Michele Pucillo, and Gianluca Tell. *Journal of Experimental & Clinical Cancer Research*, 40, 1, 198. DOI: 10.1186/s13046-021-01986-8. 5 year – IF: 11.5.
8. "Enzymatically active apurinic/aprimidinic endodeoxyribonuclease 1 (APE1) is released by mammalian cells through exosomes", Giovanna Mangiapane, Isabella Parolini, Kristel Conte, **Matilde Clarissa Malfatti**, Jessica Corsi, Massimo Sanchez, Agostina Pietrantoni, Vito G. D'Agostino and Gianluca Tell. *Journal of Biological Chemistry*, 2021, 296, 100569. DOI: 10.1016/j.jbc.2021.100569. 5 year – IF: 4.8.
9. "New perspectives in cancer biology from a study of canonical and non-canonical functions of base excision repair proteins with a focus on early steps", **Matilde Clarissa Malfatti**, Giulia Antoniali, Marta Codrich, Silvia Burra, Giovanna Mangiapane, Emiliano Dalla and Gianluca Tell. *Mutagenesis*, 2020, 35, 1, 129-149. DOI: 10.1093/mutage/gez051. 5 year – IF: 2.8

10. "Unlike the *Escherichia coli* counterpart, archaeal RNase HII cannot process ribose monophosphate abasic sites and oxidized ribonucleotides embedded in DNA", **Matilde Clarissa Malfatti**, Ghislaine Henneke, Sathya Balachander, Kyung Duk Koh, Gary Newnam, Ryo Uehara, Robert J. Crouch, Francesca Storici, and Gianluca Tell. *Journal of Biological Chemistry*, 2019, 294, 35 13061-13072. DOI: 10.1074/jbc.RA119.009493. 5 year – IF: 4.8.
11. "Inhibition of APE1-endonuclease activity affects cell metabolism in colon cancer cells via a p53-dependent pathway", Marta Codrich, Marina Comelli, **Matilde Clarissa Malfatti**, Catia Mio, Dilara Ayyildiz, Chi Zhang, Mark R. Kelley, Giovanni Terrosu, Carlo E. M. Pucillo, Gianluca Tell, *DNA Repair*, 2019, 82, 102675. DOI: 10.1016/j.dnarep.2019.102675. 5 year – IF: 3.9.
12. "APE1 and NPM1 protect cancer cells from platinum compounds cytotoxicity and their expression pattern has a prognostic value in TNBC", **Matilde Clarissa Malfatti**, Lorenzo Gerratana, Emiliano Dalla, Miriam Isola, Giuseppe Damante, Carla Di Loreto, Fabio Puglisi and Gianluca Tell, *Journal of Experimental & Clinical Cancer Research*, 2019, 38, 1, 309. DOI: 10.1186/s13046-019-1294-9. 5 year – IF: 11.5.
13. "Platinum Salts in Patients with Breast Cancer: A focus on Predictive Factors", Mattia Garutti, Giacomo Pelizzari, Michele Bartoletti, **Matilde Clarissa Malfatti**, Lorenzo Gerratana, Gianluca Tell and Fabio Puglisi, *International Journal of Molecular Sciences*, 2019, 20, 14, 3390. DOI: 10.3390/ijms20143390. 5 year – IF: 6.2.
14. "Human AP-endonuclease (Ape1) activity on telomeric G4 structures is modulated by acetyltable lysine residues in the N-terminal sequence", Silvia Burra, Daniela Marasco, **Matilde Clarissa Malfatti**, Giulia Antoniali, Antonella Virgilio, Veronica Esposito, Bruce Demple, Aldo Galeone, Gianluca Tell, *DNA Repair* 73 (2019) 129-143. DOI: 10.1016/j.dnarep.2018.11.010. 5 year – IF: 3.9.
15. "Abasic and oxidized ribonucleotides embedded in DNA are processed by human APE1 and not by RNase H2", **Matilde Clarissa Malfatti***, Sathya Balachander*, Giulia Antoniali, Kyung Duk Koh, Christine Saint-Pierre, Didier Gasparutto, Hyongi Chon, Robert J. Crouch, Francesca Storici and Gianluca Tell. *Nucleic Acids Research*, 2017, 45, 19, 11193-11212. DOI: 10.1093/nar/gkx723, *co-first authors. 5 year – IF: 16.4.
16. "Unveiling the non-repair face of the Base Excision Repair pathway in RNA processing: A missing link between DNA repair and gene expression?", Giulia Antoniali, **Matilde Clarissa Malfatti**, Gianluca Tell, *DNA Repair*, 2017, 56, 65-74. DOI: 10.1016/j.dnarep.2017.06.008. 5 year – IF: 3.9.
17. "Inhibitors of the Apurinic/Apyrimidinic Endonuclease 1 (APE1)/Nucleophosmin (NPM1) Interaction That Display Anti-Tumor Properties", Mattia Poletto, **Matilde Clarissa Malfatti**, Dorjbal Dorjsuren, Pasqualina L. Scognamiglio, Daniela Marasco, Carlo Vascotto, Ajit Jadhav, David J. Maloney, David M. Wilson III, Anton Simeonov, and Gianluca Tell, *Molecular Carcinogenesis*, 2016, 55, 5, 688-704. DOI: 10.1002/mc.22313. 5 year – IF: 4.1.

CHAPTER BOOKS

1. "In Vitro Assay to Measure APE1 Enzymatic Activity on Ribose

- Monophosphate Abasic Site*, **Matilde Clarissa Malfatti**, Giulia Antoniali, Gianluca Tell. Protocol, Part of the Methods in Molecular Biology book series (MIMB), Volume 2701, 2023, DOI: 10.1007/978-1-0716-3373-1_2.
2. *“Emerging Concepts on the Early Steps of Base Excision Repair Pathway with a Focus on Gene Expression”*, Giulia Antoniali, **Matilde Clarissa Malfatti** and Gianluca Tell. CHAPTER 17, Chemical Biology No. 15, DNA Damage, DNA Repair and Disease: Volume 2, 2021, DOI: 10.1039/9781839162541-00024.

ABSTRACT

“The APE1/NPM1 axis in triple negative breast cancer: prognostic and therapeutic implications”, **Matilde Clarissa Malfatti**, Lorenzo Gerratana, Carla Di Loreto, Fabio Puglisi, Gianluca Tell. Annals of Oncology, Volume 28, Supplement 6, Meeting Abstract C41, 2017. 5 year – IF: 32.4.

AWARDS

1. **BEST PhD THESIS Award - SIMAG**
SIMAG award for the best PhD thesis in the a.y. 2018-2019
September 26th, 2019
Centro Convegni S. Agostino, Cortona, Arezzo, Italy
Oral Presentation: *“Novel roles of DNA damage repair enzymes in the processing of modified ribonucleotides embedded in DNA”*
2. **Award “PHD AWARD 2019” in Medical Area**
UNIUD Award for the best PhD thesis in Medical Area in the a.y. 2018-2019 at University of Udine.
May 31st, 2019
Loggia del Lionello, Udine, Italy
Brief Oral Presentation: *“Molecular mechanisms involved in DNA damage repair”*.

TECHNICAL SKILLS

Key techniques of molecular biology and biochemistry including mammalian cell culture, bacteria culture and transformation, yeast culture, drugs testing in vivo on mammalian cells, siRNAs and/or DNA plasmids transfection, viability cell assays including MTS and MTT assays, Trypan blue cell counting, and clonogenic assays, protein, DNA and RNA electrophoresis, western blotting, protein gel staining including Coomassie and silver staining, immunoprecipitation and co-immunoprecipitations of proteins, cellular organelles separation, immunofluorescence and Proximity Ligation Assay, FISH analysis, comet assay, DNA and RNA extraction, RNA retro transcription and real time PCR, DNA alkalina agarose gel assay, analysis of cell cycle (FACS), protein purification by FPLC chromatography, enzyme activity assays in vitro including EMSA and cleavage assays.

COMPUTER SKILLS

Microsoft Office, Inkscape, Prism, ImageJ, BioRender, most common bioinformatic and biology tools.

Mother tongue Italian

Other languages English

Reading FLUENT

Writing FLUENT

Spoken FLUENT

Spanish

Reading BEGINNER

Writing BEGINNER

Spoken BEGINNER

Driving licence B.

Dichiarazione resa ai sensi degli artt. 46 e 47 DPR N. 445/2000 in cui le informazioni contenute nel presente curriculum vitae corrispondono al vero.

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base art. 13 del D. Lgs. 196/2003 e all'art. 13 del Regolamento UE 2016/679 relativo alla protezione delle persone fisiche con riguardo al trattamento dei dati personali.

Udine, February 9th 2024

Matilde Clarissa Malfatti

