

Curriculum Vitae Alessia Remigante

-Place and Date of Birth: Melito Di Porto Salvo (Italy), 31.01.1991

-Affiliation: Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Messina, (Italy)

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Google Scholar <https://scholar.google.com/citations?user=oAEKo2AAAAJ&hl=it&oi=ao>

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Citations: 264

i10-index: 12

Scopus <https://www.scopus.com/authid/detail.uri?authorId=57190047944>

Publications: 27

Abstracts published in conference proceedings: 43

H-Index: 9

Citations: 185

Scopus Author ID: 57190047944

Web of Science Researcher ID: AAA-1097-2019

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WORK EXPERIENCE

- **2021-to present: Researcher (RTD-A).** Fellowship supported by PON -Piano Operativo Nazionale- Ricerca e Innovazione 2014-2020, CCI2014IT16M2OP005. Department of Chemical, Biological, Pharmaceutical and Environmental Sciences of University of Messina.
- **2020-2021:** Researcher fellowship at the Institute of Biophysics of Council National Research, Genoa. Fellowship supported by Fondazione AIRC per la Ricerca sul Cancro (grant #IG 21558). Research project: **Volume-regulated Cl⁻ and oxidation-activated K⁺ channels in invasiveness and immunotherapy in human melanoma.** Supervisor: Dr. Michael Pusch.
- **2019-to present: Expert in Physiology (BIO/09):**
 - **Physiological Basis of Behavior (BIO/09).** Department of Clinical and Experimental Medicine of University of Messina.
 - **Physiology of Nutrition, (BIO/09).** Department of Chemical, Biological, Pharmaceutical and Environmental Sciences of University of Messina.
- **2018-30 September 2021: Expert in Physiology (BIO/09).** Department of Chemical, Biological, Pharmaceutical and Environmental Sciences of University of Messina.
- **2017/2019: Tutor for students (Physiology BIO/09)** at the Department of Chemical, Biological, Pharmaceutical and Environmental Sciences of University of Messina.

EDUCATION

- **2021: XXIV Scuola di Fisiologia e Biofisica (Neuronal biophysics: from experiments to models),** supported by Società Italiana di Fisiologia (SIF). University of Pavia.
- **2020: Corso di Formazione** in "Salute e sicurezza nei luoghi di lavoro -Formazione generale SETTORE ATECO: 207: M 72 - TIPOLOGIA DEL RISCHIO: B". Institute of Biophysics of Council National Research, Genoa.
- **2017-2019: PhD in Applied Biology and Experimental Medicine.** Department of Chemical, Biological, Pharmaceutical and Environmental Sciences of University of Messina. Scholarship supported by PON -Piano Operativo Nazionale- Ricerca e Innovazione 2014-2020, Dottorati innovativi con caratterizzazione industriale (RI 2014.2020), XXXII Cycle (**BIO/09**). Dissertation: **Pathophysiological role of ionic membrane transport.** Supervisor: Prof.ssa A. Marino; 18 months spent at the Pharmacology and Toxicology Institute of Paracelsus Medical University, Salzburg (Austria). Supervisor: PRIV.-DOZ. S. Dossena, PhD. 6 months spent at the Industrial Partner, Hitec2000. Supervisor: Ing. Carlo Campisano.
- **2019: XXIII Scuola di Fisiologia e Biofisica (Physiology and biophysics of membrane transport and intracellular signaling: experimental strategies and methodological approaches),** supported by Società Italiana di Fisiologia (SIF). University of Bari.
- **2018: First International Summer School of Physiology and Biophysics of Water and Ion Channels.** University of Bari in collaboration with the Industrial Partner MASMECS.p.A.

- **2015:** Erasmus Placement (7 months) at the Pharmacology and Toxicology Institute of Paracelsus Medical University, Salzburg (Austria). Scholarship supported by SMP-Mobilità student Erasmus Placement, Lifelong Learning Programme-2008-2013. Supervisor: PRIV.-DOZ. S. Dossena, PhD.
- **2015:** Master Degree in Biology (BIO/09), with score: 110/110. Dissertation: **Electrophysiological aspects of crude venom isolated from nematocysts of Pelagia noctiluca (Cnidaria, Scyphozoa)**. Department of Chemical, Biological, Pharmaceutical and Environmental Sciences of University of Messina. Supervisors: Prof.ssa A. Marino, and PRIV.-DOZ. S. Dossena, PhD.

HONORS and AWARDS

- **2021:** Fellowship supported by PON-Piano Operativo Nazionale-Ricerca e Innovazione 2014-2020, CCI2014IT16M2OP005.
- **2020:** Fellowship supported by Fondazione AIRC per la Ricerca sul Cancro (grant #IG 21558).
- **2019:** Scholarship supported by DM.1047/2017 art.3, Fondi M.I.U.R.
- **2017:** Scholarship supported by D.M.198/2003 art.2, Fondi M.I.U.R.
- **2017:** Scholarship supported by PON-Piano Operativo Nazionale-Ricerca e Innovazione 2014-2020, Dottorati innovativi con caratterizzazione industriale (RI 2014.2020).
- **2015:** Scholarship supported by SMP-Mobilità student Erasmus Placement, Lifelong Learning Programme-2008-2013.

TECHNICAL SKILLS

- Patch clamp technique (whole-cell configuration); Site-directed mutagenesis; PCR; Bacterial transformation; Plasmid preparations on a small and large scale; DNA extraction and PCR genotyping; CRISPR/Cas9 genome editing; DNA and protein electrophoresis; Preparation of protein extracts from cell cultures and blood cells; Western Blot; Calcium imaging; Cell transfection; Cell cultures and cell cloning; Functional assay to measure anion exchange through Band 3 protein in red blood cells; Hemoglobin and methemoglobin measurement; Membrane sulfhydryl groups levels determination; Lipid peroxidation determination; Enzymatic assays.

REVIEWER

- Frontiers in Physiology, section of Redox in Physiology
- Journal of Molecular Science, MDPI
- Cancers, MDPI
- Processes, MDPI
- International Journal of Environmental Research and Public Health, MDPI
- Applied Sciences, MDPI
- Antioxidants, MDPI
- Toxins, MDPI
- Biomedicines, MDPI
- Marine Drugs, MDPI
- Current Issues in Molecular Biology, MDPI
- Life, MDPI
- Experimental Biology and Medicine, SAGE Journals
- Molecular and Cellular Biochemistry (Springer)

GUEST EDITOR

- SPECIAL ISSUE: **Cellular and molecular mechanisms in oxidative stress-related diseases;** International Journal of Molecular Sciences IF:5.92 ISSN: 1422-0067 (https://www.mdpi.com/journal/ijms/special_issues/Oxidative_Stress_Diseases).
- SPECIAL ISSUE: **Ion Transporters and Channels in Cellular Pathophysiology.** Frontiers in Cell and Developmental Biology. IF: 6.68 (<https://www.frontiersin.org/research-topics/27471/ion-transporters-and-channels-in-cellular-pathophysiology>).
- SPECIAL ISSUE: **Oxidative Stress and Antioxidant Strategies: Relationships and Cellular Pathways for Human Health;** Cells, IF:6.6.

SOCIETY MEMBER

- APS, American Physiological Society
- SIF, Società Italiana di Fisiologia
- SIBS, Società Italiana di Biologia Sperimentale

TEACHING ACTIVITY

- Lesson for students of PhD Course in Applied Biology and Experimental Medicine-Scientific Meeting. Department of Chemical, Biological, Pharmaceutical and Environmental Sciences of University of Messina. 13 June 2022. (**Giornata di Divulgativa Scientifica**). **Patch Clamp Technique: Role of Ion Channels**.
- Technical assistance and teaching activity for students of Master Degree in Biology for preparation of experimental theses BIO/09, Physiology). Department of Chemical, Biological, Pharmaceutical and Environmental Sciences of the University of Messina.
- Seminar for students of Master Degree in Biology. Department of Chemical, Biological, Pharmaceutical and Environmental Sciences of University of Messina. 10-11 May 2021. **Glycation and sugars effects on human health**.
- Seminar for students of Master Degree in Biology. Department of Chemical, Biological, Pharmaceutical and Environmental Sciences of University of Messina. 11 May 2020. **Mechanisms of Glycosylation and Bio-Markers in the diagnosis of Diabetes**.
- Seminar for students of PhD Course in Applied Biology and Experimental Medicine-Scientific Meeting. Department of Chemical, Biological, Pharmaceutical and Environmental Sciences of University of Messina. 29 June 2020. **Ion transport systems as a tool to evaluate cell homeostasis**.
- Seminar for students of Master Degree in Biology. Department of Chemical, Biological, Pharmaceutical and Environmental Sciences of University of Messina. 2 December 2019. **O-GlcNAcylation in the Glymphatic System**.
- Seminar for students of Master Degree in Medicine and Surgery. Department of Biomedical, Dental and Morphological and Functional Imaging Sciences of University of Messina, 3 October 2019. **Role of O-GlcNAcylation in the regulation of cellular volume**.
- Seminar for students of Master Degree in Medicine and Surgery. Department of Biomedical, Dental and Morphological and Functional Imaging Sciences of University of Messina, 2 April 2019. **Pathophysiological role of Glycosylation**.

REPORTS

- **Role of O-GlcNAcylation in the regulation of cellular volume.** Pharmacology and Toxicology Institute of Paracelsus Medical University, Salzburg (Austria). 15 March 2019.
- **The identification of a volume-regulated anion channel: an amazing Odyssey.** Pharmacology and Toxicology Institute of Paracelsus Medical University, Salzburg (Austria). 3 October 2018.
- **Functional relevance of the O-Glycosylation at the C-terminus of ICln.** Pharmacology and Toxicology Institute of Paracelsus Medical University, Salzburg (Austria). 7 March 2018.

PROJECTS

- **Research&Mobility 2017. Palmitoylethanolamide-oxazoline (PEA-OXA) and Neuroinflammation: a Novel Therapeutic Strategy for neurodegenerative diseases.** Department of Chemical, Biological, Pharmaceutical and Environmental Sciences of University of Messina. University of Messina.
- Project no profit: **Diagnosi precoce del Diabete Mellito di tipo 2 mediante misurazione dei livelli di enzimi OGA (O-linked- β -N-Acetylglucosaminidase) e OGT (O-linked- β -N-Acetylglucosamine transferase) in pazienti pediatrici sovrappeso e obesi.** Units involved in the project: Papardo General Hospital (Messina, Italy), Pediatric Operative Unit; University of Messina (Messina, Italy); Paracelsus Medical University, Institute of Pharmacology and Toxicology, (Salzburg, Austria).

ABSTRACTS PUBLISHED IN SCIENTIFIC JOURNALS

1. **Remigante A., Morabito R., Spinelli S., Marino A., Sarikas A., Pusch M., Dossena S.** Oxidative stress targets Kir2.1 channels in a model of aging neuroglia. (2022) Experimental Biology Congress (EB), 2-5 April 2022. THE FASEB, Federation of American Societies for Experimental Biology, IF: 5.19.

2. Spinelli S., Remigante A., Dossena S., Marino A., Morabito R. Hemoglobin Glycation and Oxidative Stress Induce Functional Modification of Band 3 Protein in D-Galactose-Treated Erythrocytes: Double Effect of Quercetin. (2022) Experimental Biology Congress (EB), 2-5 April 2022. THE FASEB, Federation of American Societies for Experimental Biology, IF: 5.19.
3. Remigante A., Morabito R., Marino A., Picco C., Zifarelli G., Dossena S., Pusch M. Reduction of Kir4.1 channel activity in an oxidative stress-related aging model. (2021) Experimental Biology Congress (EB), 27-30 April 2021. THE FASEB, Federation of American Societies for Experimental Biology, IF: 5.19.
4. Spinelli S., Remigante A., Dossena S., Marino A., Morabito R. D-Galactose-induced accelerated aging model on human erythrocytes and role of Band 3 protein. (2021) Experimental Biology Congress (EB), 27-30 April 2021. THE FASEB, Federation of American Societies for Experimental Biology, IF: 5.19.
5. Remigante A., Morabito R., Nagy T., Spinelli S., Cordaro M., Marino A., Sarikas A., Dossena S. The possible role of O-GlcNAc modification in the pathogenesis of depression disorder. (2020). Experimental Biology Congress (EB), 06-09 April 2020, San Diego, California (USA). THE FASEB, Federation of American Societies for Experimental Biology, IF: 5.19.
6. Morabito R., Remigante A., Spinelli S., Cordaro M., Dossena S., Marino A. (2020). D-glucose and D-galactose affect Band 3 protein function and oxidative stress in human erythrocytes. Experimental Biology Congress (EB), 06-09 April 2020, San Diego, California (USA). THE FASEB, Federation of American Societies for Experimental Biology, IF: 5.19.
7. Cordaro M., Remigante A., Crupi R., Morabito R., Marino A. (2020). Inflammation and oxidative damage as risk factors of neurodegeneration after Traumatic Brain Injury in young and aged mice. Experimental Biology Congress (EB), 06-09 April 2020, San Diego, California (USA). THE FASEB, Federation of American Societies for Experimental Biology, IF: 5.19.
8. Remigante A., Morabito R., Marino A., Dossena S. (2019). The potential role of O-GlcNAcylation in diabetes and depression comorbidity. Federation of European Physiological Societies (FEPS) and the Italian Physiological Society (SIF), 9-13 September 2019, Bologna. Acta Physiologica, IF: 6.31.
9. Spinelli S., Vitale G., Remigante A., Morabito R., Marino A. (2019). Role of antioxidants in preventing H₂O₂-induced damage on Band 3 protein. European Physiological Societies (FEPS) and the Italian Physiological Society (SIF), 10-13 September 2019, Bologna. Acta Physiologica, IF: 6.31.
10. Remigante A., Costa R., Civello D., Morabito R., Nagy., Marino A., Dossena S. (2019). Effect of O-GlcNAcylation of ICln in the regulation of cellular volume. Federation of European Physiological Societies (FEPS) and the Italian Physiological Society (SIF), 10-13 September 2019, Bologna. Acta Physiologica, IF: 6.31.
11. Morabito R., Remigante A., Spinelli S., Vitale G., Loddo S., Trichilo S., Dossena S., Marino A. (2019). Band 3 protein function in oxidative and inflammatory diseases. Federation of European Physiological Societies (FEPS) and the Italian Physiological Society (SIF), 10-13 September 2019, Bologna. Acta Physiologica, IF: 6.31.
12. Remigante A., Costa., R, Civello D., Morabito R., Nagy T., Marino A., Dossena S. (2019). Functional significance of O-GlcNAcylation of ICln in the regulation of cellular volume. Experimental Biology Congress, 06-09 April 2019, Orlando, Florida (USA). THE FASEB, Federation of American Societies for Experimental Biology, IF: 5.19.
13. Morabito R., Remigante A., Spinelli S., Vitali G., Scarfi G., Dossena S, Marino A (2019). Impact of C-reactive protein on Band 3 protein function in human erythrocytes. Experimental Biology Congress, 06-09 April 2019, Orlando, Florida (USA). THE FASEB, Federation of American Societies for Experimental Biology, IF: 5.19.
14. Crupi R., Morabito R., Remigante A., Gugliandolo E., Britti D., Cuzzocrea S., Marino A. (2019). Susceptibility of erythrocytes from different sources to xenobiotics-induced lysis. Experimental Biology Congress, 06-09 April 2019, Orlando, Florida (USA). THE FASEB, Federation of American Societies for Experimental Biology, IF: 5.19.
15. Remigante A., Morabito R., Marino A., Dossena S. (2018). Electrophysiological properties of crude venom from *Pelagia noctiluca* (Cnidaria: Scyphozoa) nematocysts. Congresso Nazionale della Società Italiana di Biologia Sperimentale (SIBS), Ancona, 9-10 November 2018. Journal of Biological Research.
16. Morabito R., Remigante A., Loddo S., Trichilo V., Dossena S., Marino A (2018). Hyperglycemia affects anion exchange through Band 3 protein: an in vitro and in vivo study on human erythrocytes. Congresso Nazionale della Società Italiana di Biologia Sperimentale (SIBS), Ancona, 9-10 November 2018. Journal of Biological Research.
17. Mariottini GL., Burlando B., Cornara L., Giordani P., Killi N., Remigante A., Marino A., Morabito R., La Spada G. (2017) Neutralizing properties of plant extracts against jellyfish venom. Congresso Nazionale della Società Italiana di Biologia Sperimentale (SIBS), Trapani, 27-28 October 2017. Journal of Biological Research.
18. Remigante A., Morabito R., La Spada G., Marino A. (2017) Effect of oxidative stress on SO₄⁼ uptake through band 3 protein in human erythrocytes. Congresso Nazionale della Società Italiana di Biologia Sperimentale, Trapani, 27-28 October 2017. Journal of Biological Research.
19. Iannello R., Remigante A., Morabito R., La Spada G., Marino A. (2015). H₂O₂-induced oxidative stress and pre-conditioning in human erythrocytes. Congresso Nazionale della Società Italiana di Biologia Sperimentale, Genova, 11-12 December 2015. Journal of Biological Research.

ORAL COMMUNICATIONS

1. **Remigante A.**, Spinelli S., Morabito R., Marino A., Sarikas S., Pusch M., Dossena S. (2022). Oxidative stress impairs the activity of Kir2.1 channels in a model of aging neuroglia. Congresso Nazionale della Società Italiana di Biologia Sperimentale (SIBS), 6-9 April 2022.
2. **Remigante A.**, Zuccolini P., Barbieri R., Ferrera L., Morabito R., Gavazzo P., Pusch M., Picco C. (2021). NS-11021 modulates cancer-associated processes independently of BK channels in melanoma and pancreatic duct adenocarcinoma cell lines. Convegno IBF-2021 (Ventennale), 24-26 November 2021.
3. **Remigante A.**, Morabito R., Marino A., Sarikas A., Zifarelli G., Picco C., Pusch M., Dossena S. (2021). Functional characterization of Kir2.1 channel in an oxidative stress-related model of aging neuroglia. European Physiology Day, Virtual meeting, 12 October 2021.
4. **Remigante A.**, Morabito R., Spinelli S., Pusch M., Dossena S., Marino A. (2021). The impact of oxidative stress on anion exchange capability of Band 3 protein. Congresso Nazionale della Società Italiana di Biologia Sperimentale (SIBS), 22-24 April 2021.
5. **Remigante A.**, Morabito R., Bernardinelli E., Nagy T., Marino A., Dossena S. (2018). Role of O-GlcNAcylation in the regulation of cellular volume. Congresso Nazionale della Società Italiana di Biologia Sperimentale (SIBS), 9-10 November 2018, Ancona.

ABSTRACTS PUBLISHED IN CONFERENCE PROCEEDINGS

- 1) **Remigante A.**, Zuccolini P., Barbieri R., Ferrera L., Morabito R., Gavazzo P., Pusch M., Picco C. (2021). NS-11021 modulates cancer-associated processes independently of BK channels in melanoma and pancreatic duct adenocarcinoma cell lines. 33rd AICC Annual Conference: International Meeting on Cancer Metabolism, 22-24 November 2021, Turin.
- 2) **Remigante A.**, Morabito R., Marino A., Picco C., Zifarelli G., Dossena S., Pusch M. (2021). Kir2.1 channel in an oxidative stress-related model of aging neuroglia. SIF National Congress (Società Italiana di Fisiologia), 7-9 September 2021, Milan.
- 3) **Remigante A.**, Picco C., Zuccolini P., Barbieri R., Gavazzo P., Pusch M. (2021). Activation of large-conductance potassium channels has no effect on cell viability, proliferation and migration in both melanoma and pancreatic adenocarcinoma cell lines. SIF National Congress (Società Italiana di Fisiologia), 7-9 September 2021, Milan.
- 4) Spinelli S., **Remigante A.**, Trichilo V., Loddo S., Pusch M., Dossena S., Marino A., Morabito R. (2021). Effect of Quercetin on d-Galactose aging model in human erythrocytes. SIF National Congress (Società Italiana di Fisiologia), 7-9 September 2021, Milan.
- 5) Zuccolini P., Ferrera L., **Remigante A.**, Picco C., Barbieri R., Bertelli S., Moran. O., Gavazzo P., Pusch M. (2021). The VRAC blocker DCPIB opens Ca^{2+} -activated BK channels and increases intracellular Ca^{2+} in melanoma and pancreatic duct carcinoma cell lines. 20th International Union of Pure and Applied Biophysics (IUPAB) Congress, 4-8 October 2021, Virtual Meeting.
- 6) Ferrera L., Barbieri R., Picco C., Zuccolini P., **Remigante A.**, Fumagalli MR, Zifarelli G., La Porta C., Gavazzo P., Pusch M. (2021). In primary melanoma cells calcium entry through TRPM2 channel activates two distinct potassium currents. XXV Congresso Nazionale SIBPA (Società di Biofisica Pura e Applicata) 29 June -1 July 2021.
- 7) Zuccolini P., Ferrera L., **Remigante A.**, Picco C., Barbieri R., Bertelli S., Moran. O., Gavazzo P., Pusch M. (2021).The VRAC blocker DCPIB directly activates the Ca^{2+} -activated K^+ channel BK and increases intracellular Ca^{2+} in melanoma and Pancreatic Duct Adenocarcinoma (PDAC) cell lines. XXV Congresso Nazionale SIBPA (Società di Biofisica Pura e Applicata) 29 June -1 July 2021.
- 8) **Remigante A.**, Morabito R., Marino A., Sarikas A., Pusch M., Dossena S. (2021). Role of Kir2.1 channels in an oxidative stress-related model of aging neuroglia. Paracelsus Sciences Get Together conference 2021.
- 9) Ferrera L., Barbieri R., Picco C., Zuccolini P., **Remigante A.**, Fumagalli MR, Zifarelli G., La Porta C., Gavazzo P., Pusch M. (2020). Activation of two distinct potassium currents in melanoma cells by oxidation. Institute of Biophysics, National Research Council, Genoa (Italy).
- 10) **Remigante A.**, Ferrera L., Barbieri R., Gavazzo P., Pusch M. (2020). Volume-regulated Cl^- and K^+ channels in human melanoma invasiveness. Institute of Biophysics, National Research Council, Genoa (Italy).
- 11) Zuccolini P., Barbieri R., Gavazzo P., Ferrera L., **Remigante A.**, Pusch M. (2020). Are ion channels good targets for slowing down the growth of pancreatic cancer? Institute of Biophysics, National Research Council, Genoa (Italy).
- 12) **Remigante A.**, Costa R., Civello A., Morabito R., Nagy T., Marino A., Sarikas A., Dossena. (2019). O-GlcNAcylation of serine 67 on integrin alphaIIb binding protein ICln regulates the ICln-mediated chloride conductance. Paracelsus Science Get Together conference, 28 June 2019, Nuremberg (Germany).
- 13) **Remigante A.**, Morabito R., La Spada G., Marino A., Dossena S. (2018). Biological activity of *Pelagia noctiluca* (Cnidaria: Scyphozoa; true jellyfish) crude venom. Paracelsus Sciences Get Together conference, Salzburg, Austria, 29 June 2018.

- 14) Akki R., Siracusa R., Morabito R., **Remigante A.**, Campolo M., Errami M., Cuzzocrea S., Marino A. (2018). Neuroprotective effects of oxidative precondition against apoptosis induced by H₂O₂ in differentiated neuroblastoma SHY5Y cells. *Neuroscience* 2018, San Diego, California (USA), 03-07 November.
- 15) **Remigante A.**, Costa R., Civello D., Nagy T., Marino A., Patsch W., Dossena S. (2018). Mapping of O-GlcNac modification sites of ICln involved in the regulation of cellular volume. SIF National Congress (Società Italiana di Fisiologia), Florence, 19-21 September 2018.
- 16) **Remigante A.**, Morabito R., Arcuri B., Marino A., Scarfi G., La Spada G., Marino A. (2017). Melatonin ameliorates anion exchange capability through Band 3 protein after H₂O₂-induced oxidative stress. SIF National Congress (Società Italiana di Fisiologia), Pavia, 06-08 September.
- 17) Morabito R., **Remigante A.**, Casili G., La Spada G., Marino A. (2017). Magnesium prevents both H₂O₂- and NEM-induced oxidative damage at Band 3 protein level in human erythrocytes. SIF National Congress, (Società Italiana di Fisiologia), Pavia, 06-08 September.
- 18) Morabito R., **Remigante A.**, Bagnato G., Sciortino D., Cirillo M., La Spada G., Marino A. (2016). SO₄⁼ uptake and oxidative stress in erythrocytes from systemic sclerosis patients with interstitial lung disease. SIF National Congress, (Società Italiana di Fisiologia), Catania, 21-23 September 2016.
- 19) **Remigante A.**, Morabito R., Restuccia A., Nicosia B., Mentana V., Polimeni I., La Spada G., Marino A. (2016). Magnesium effect on SO₄⁼ uptake and oxidative stress in human erythrocytes. SIF National Congress, (Società Italiana di Fisiologia), Catania, 21-23 September 2016.

PUBLICATIONS

- Zuccolini P., Ferrera L., **Remigante A.**, Picco C., Barbieri R., Bertelli S., Moran O., Gavazzo P., Pusch M. (2021). The VRAC blocker DCPIB opens Ca²⁺-activated BK channels and increases intracellular Ca²⁺ in melanoma and pancreatic duct carcinoma cell lines. *British Journal of Pharmacology*. IF: 7.73. DOI: 10.1111/bph.15810.
- Remigante A.**, Spinelli S., Pusch M., Sarikas A., Morabito R., Marino A., Dossena S. Members of the solute carrier 4 (SLC4) and SLC26 families of anion transporters during oxidative stress. (2022). *Acta Physiologica*. IF: 6.31. DOI: 10.1111/apha.13796.
- Remigante A.**, Zuccolini P., Barbieri R., Ferrera L., Morabito R., Gavazzo P., Pusch M., Picco C. (2021). NS-11021 modulates cancer-associated processes independently of BK channels in melanoma and pancreatic duct adenocarcinoma cell lines. *Cancers*. IF: 6.63. DOI: 10.3390/cancers13236144.
- Remigante A.**, Spinelli S., Trichilo V., Loddo S., Sarikas A., Pusch M., Dossena S., Marino A., Morabito R. (2021) D-Galactose induced early aging in human erythrocytes: role of Band 3 protein. *Journal of Cellular Physiology*. IF: 6.38. DOI: 10.1002/jcp.30632.
- Ferrera L., Barbieri R., Picco C., Zuccolini P., **Remigante A.**, Fumagalli MR, Zifarelli G., La Porta C., Gavazzo P., Pusch M. (2021). TRPM2 oxidation activates two distinct potassium channels in melanoma cells through intracellular calcium increase. *International Journal of Molecular Science*. IF: 5.92. DOI: 10.3390/ijms22168359.
- Remigante A.**, Morabito R., Marino A. (2021). Band 3 protein function and oxidative stress in erythrocytes. *Journal of Cellular Physiology*, IF: 6.38. DOI: 10.1002/jcp.30322.
- Bertelli S., **Remigante A.**, Zuccolini P., Barbieri R., Ferrera L., Picco. C., Gavazzo P., Push M. (2021). Mechanisms of activation of LRRC8 volume regulated anion channels. *Cellular Physiology and Biochemistry*, IF: 5.14. DOI: 10.33594/000000329.
- Morabito R., Cornara L., La Spada G., Marino A., Mariottini G. L., **Remigante A.**, and Burlando B. (2020). Inhibitory effect of plant extracts on the cytotoxicity of eurytele nematocysts from Pelagia noctiluca, *Journal of Biological Research - Bollettino della Società Italiana di Biologia Sperimentale*. DOI: 10.4081/jbr.2020.9136.
- *Costa R., ***Remigante A.**, Civello AD., Bernerdinelli E., Szabo Z., Morabito R., Marino A., Sarikas A., Patsch W., Paulmichl M., Tanáky T., Miseta A., Nagy T., Dossena S. (2020). O-GlcNAcylation suppresses the ion current IClnswell by preventing the binding of the protein ICln to α-Integrin. *Frontiers in Cell and Developmental Biology*; IF: 6.68. DOI: 10.3389/fcell.2020.607080. *Equal contribution.
- Remigante A.**, Morabito R., Trichilo V., Loddo S., Dossena S., Marino A. (2020). D-Galactose decreases anion exchange capability through Band 3 protein in human erythrocytes. *Antioxidants*, IF: 6.31. DOI: 10.3390/antiox9080689.
- Morabito R., **Remigante A.**, Cordaro M., Trichilo V., Loddo S., Dossena S., Marino A. (2020). Impact of C-Reactive Protein on Band 3 protein anion exchange capability in human erythrocytes during acute inflammation. *Archives Physiology and Biochemistry*, IF: 2.57. DOI: 10.1080/13813455.2020.1764048.
- *Morabito R., ***Remigante A.**, Spinelli S., Vitale G., Trichilo V., Loddo S., Marino A. (2020). High glucose concentrations affect Band 3 protein in human erythrocytes. *Antioxidants*, IF: 6.31. DOI: 10.3390/antiox9050365. *Equal contribution

13. Remigante A., Morabito R., Marino A. (2020). Natural antioxidants beneficial effects on anion exchange through Band 3 protein in human erythrocytes. (2019). **Antioxidants**, IF: 6.31. DOI:10.3390/antiox9010025.
14. Akki R., Siracusa R., Cordaro M., Remigante A., Morabito R., Errami M., Marino A. (2019). Adaptation to oxidative stress at cellular and tissue level. **Archives Physiology and Biochemistry**, IF: 2.57. DOI:10.1080/13813455.2019.1702059.
15. Morabito R., Remigante A., Marino A. (2019). Melatonin protects Band 3 protein in human erythrocytes against H₂O₂-induced oxidative stress. **Molecules**, IF: 4.41. DOI: 10.3390/molecules24152741.
16. Morabito R., Remigante A., Marino A. (2019). Protective role of Magnesium against oxidative stress on SO₄⁼ uptake through Band 3 protein in human erythrocytes. **Cellular Physiology and Biochemistry**, IF: 5.14. DOI: 10.33594/000000091.
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