

Publicazioni Scientifiche

1: **Chiricosta L**, D'Angiolini S, Gugliandolo A, Salamone S, Pollastro F, Mazzon E. Transcriptomic Profiling after In Vitro Δ^8 -THC Exposure Shows Cytoskeletal Remodeling in Trauma-Injured NSC-34 Cell Line. *Pharmaceuticals (Basel)*. 2023 Sep 7;16(9):1268. doi: 10.3390/ph16091268. PMID: 37765076; PMCID: PMC10535185.

2: Betto F, **Chiricosta L**, Mazzon E. An In Silico Analysis Reveals Sustained Upregulation of Neuroprotective Genes in the Post-Stroke Human Brain. *Brain Sci*. 2023 Jun 23;13(7):986. doi: 10.3390/brainsci13070986. PMID: 37508918; PMCID: PMC10377198.

3: Anchesi I, Schepici G, **Chiricosta L**, Gugliandolo A, Salamone S, Caprioglio D, Pollastro F, Mazzon E. Δ^8 -THC Induces Up-Regulation of Glutamatergic Pathway Genes in Differentiated SH-SY5Y: A Transcriptomic Study. *Int J Mol Sci*. 2023 May 30;24(11):9486. doi: 10.3390/ijms24119486. PMID: 37298437; PMCID: PMC10253367.

4: Gugliandolo A, Blando S, Salamone S, Caprioglio D, Pollastro F, Mazzon E, **Chiricosta L**. Δ^8 -THC Protects against Amyloid Beta Toxicity Modulating ER Stress In Vitro: A Transcriptomic Analysis. *Int J Mol Sci*. 2023 Apr 2;24(7):6598. doi: 10.3390/ijms24076598. PMID: 37047608; PMCID: PMC10095455.

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7: Anchesi I, Betto F, **Chiricosta L**, Gugliandolo A, Pollastro F, Salamone S, Mazzon E. Cannabigerol Activates Cytoskeletal Remodeling via Wnt/PCP in NSC-34: An In Vitro Transcriptional Study. *Plants (Basel)*. 2023 Jan 3;12(1):193. doi: 10.3390/plants12010193. PMID: 36616322; PMCID: PMC9823669.

8: Blando S, Raffaele I, **Chiricosta L**, Valeri A, Gugliandolo A, Silvestro S, Pollastro F, Mazzon E. Cannabidiol Promotes Neuronal Differentiation Using Akt and Erk Pathways Triggered by Cb1 Signaling. *Molecules*. 2022 Sep 1;27(17):5644. doi: 10.3390/molecules27175644. PMID: 36080415; PMCID: PMC9457834.

9: Zingale VD, D'Angiolini S, **Chiricosta L**, Calcaterra V, Selvaggio GGO, Zuccotti G, Destro F, Pelizzo G, Mazzon E. Does Childhood Obesity Trigger Neuroinflammation? *Biomedicines*. 2022 Aug 11;10(8):1953. doi: 10.3390/biomedicines10081953. PMID: 36009499; PMCID: PMC9405861.

10: Valeri A, **Chiricosta L**, Gugliandolo A, Pollastro F, Salamone S, Zingale VD, Silvestro S, Mazzon E. Cannabinerol and NSC-34 Transcriptomic Analysis: Is the Dose Who Makes Neuronal Differentiation? *Int J Mol Sci*. 2022 Jul 7;23(14):7541. doi: 10.3390/ijms23147541. PMID: 35886896; PMCID: PMC9324784.

11: Silvestro S, Diomedede F, **Chiricosta L**, Zingale VD, Marconi GD, Pizzicannella J, Valeri A, Avanzini MA, Calcaterra V, Pelizzo G, Mazzon E. The Role of Hypoxia in Improving the Therapeutic Potential of Mesenchymal Stromal Cells. A Comparative Study From Healthy Lung and Congenital Pulmonary Airway Malformations in Infants. *Front Bioeng Biotechnol*. 2022 Jun 14;10:868486. doi: 10.3389/fbioe.2022.868486. PMID: 35774062; PMCID: PMC9237219.

12: **Chiricosta L**, D'Angiolini S, Gugliandolo A, Mazzon E. Artificial Intelligence Predictor for Alzheimer's Disease Trained on Blood Transcriptome: The Role of Oxidative Stress. *Int J Mol Sci*. 2022 May 7;23(9):5237. doi: 10.3390/ijms23095237. PMID: 35563628; PMCID: PMC9104709.

13: D'Angiolini S, **Chiricosta L**, Mazzon E. Sphingolipid Metabolism as a New Predictive Target Correlated with Aging and AD: A Transcriptomic Analysis. *Medicina (Kaunas)*. 2022 Mar 30;58(4):493. doi: 10.3390/medicina58040493. PMID: 35454332; PMCID: PMC9025366.

14: Gugliandolo A, Diomedede F, Pizzicannella J, **Chiricosta L**, Trubiani O, Mazzon E. Potential Anti-Inflammatory Effects of a New Lyophilized Formulation of the Conditioned Medium Derived from Periodontal Ligament Stem Cells. *Biomedicines*. 2022 Mar 16;10(3):683. doi: 10.3390/biomedicines10030683. PMID: 35327485; PMCID: PMC8944955.

15: Valeri A, **Chiricosta L**, Gugliandolo A, Pollastro F, Mazzon E. Will Cannabigerol Trigger Neuroregeneration after a Spinal Cord Injury? An In Vitro Answer from NSC-34 Scratch-Injured Cells Transcriptome. *Pharmaceuticals (Basel)*. 2022 Jan 19;15(2):117. doi: 10.3390/ph15020117. PMID: 35215230; PMCID: PMC8875351.

16: **Chiricosta L**, Gugliandolo A, Mazzon E. SARS-CoV-2 Exacerbates Beta-Amyloid Neurotoxicity, Inflammation and Oxidative Stress in Alzheimer's Disease Patients. *Int J Mol Sci*. 2021 Dec 19;22(24):13603. doi: 10.3390/ijms222413603. PMID: 34948400; PMCID: PMC8705864.

17: Valeri A, **Chiricosta L**, Gugliandolo A, Biasin M, Avanzini MA, Calcaterra V, Cappelletti G, Carelli S, Zuccotti GV, Silvestro S, Mazzon E, Pelizzo G. SARS-CoV-2 Exposed Mesenchymal Stromal Cell from Congenital Pulmonary Airway Malformations: Transcriptomic Analysis and the Expression of Immunomodulatory Genes. *Int J Mol Sci*. 2021 Oct 30;22(21):11814. doi: 10.3390/ijms222111814. PMID: 34769246; PMCID: PMC8584055.

18: Calcaterra V, **Chiricosta L**, Mazzon E, Gugliandolo A, Alberti D, Maestri L, Meroni M, Vestri E, Verduci E, Dilillo D, Zuccotti G, Pelizzo G. Determining oncogenic patterns and cancer predisposition through the transcriptomic profile in Mitchell-Riley syndrome with heterotopic gastric mucosa and duodenal atresia: a case report. *Orphanet J Rare Dis*. 2021 Oct 29;16(1):455. doi: 10.1186/s13023-021-02093-9. PMID: 34715892; PMCID: PMC8556982.

19: Mastropasqua L, Toto L, **Chiricosta L**, Diomede F, Gugliandolo A, Silvestro S, Marconi GD, Sinjari B, Vecchiet J, Cipollone F, D'Ardes D, Auricchio A, Lanzini M, Caputi S, D'Aloisio R, Mazzon E, Trubiani O. Transcriptomic analysis revealed increased expression of genes involved in keratinization in the tears of COVID-19 patients. *Sci Rep*. 2021 Oct 6;11(1):19817. doi: 10.1038/s41598-021-99344-3. PMID: 34615949; PMCID: PMC8494911.

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- 21: Gugliandolo A, **Chiricosta L**, Calcaterra V, Biasin M, Cappelletti G, Carelli S, Zuccotti G, Avanzini MA, Bramanti P, Pelizzo G, Mazzon E. SARS-CoV-2 Infected Pediatric Cerebral Cortical Neurons: Transcriptomic Analysis and Potential Role of Toll-like Receptors in Pathogenesis. *Int J Mol Sci*. 2021 Jul 28;22(15):8059. doi: 10.3390/ijms22158059. PMID: 34360824; PMCID: PMC8347089.
- 22: Silvestro S, **Chiricosta L**, Gugliandolo A, Iori R, Rollin P, Perenzoni D, Mattivi F, Bramanti P, Mazzon E. The Moringin/ α -CD Pretreatment Induces Neuroprotection in an In Vitro Model of Alzheimer's Disease: A Transcriptomic Study. *Curr Issues Mol Biol*. 2021 May 26;43(1):197-214. doi: 10.3390/cimb43010017. PMID: 34073287; PMCID: PMC8929117.
- 23: Sindona C, Runci Anastasi M, **Chiricosta L**, Gugliandolo A, Silvestro S, Bramanti P, Cascone P, Mazzon E. Temporomandibular Disorders Slow Down the Regeneration Process of Masticatory Muscles: Transcriptomic Analysis. *Medicina (Kaunas)*. 2021 Apr 7;57(4):354. doi: 10.3390/medicina57040354. PMID: 33916982; PMCID: PMC8067552.
- 24: Silvestro S, Gugliandolo A, **Chiricosta L**, Diomede F, Trubiani O, Bramanti P, Pizzicannella J, Mazzon E. MicroRNA Profiling of HL-1 Cardiac Cells-Derived Extracellular Vesicles. *Cells*. 2021 Jan 30;10(2):273. doi: 10.3390/cells10020273. PMID: 33573156; PMCID: PMC7912193.
- 25: Pelizzo G, **Chiricosta L**, Mazzon E, Zuccotti GV, Avanzini MA, Croce S, Lima M, Bramanti P, Calcaterra V. Discovering Genotype Variants in an Infant with VACTERL through Clinical Exome Sequencing: A Support for Personalized Risk Assessment and Disease Prevention. *Pediatr Rep*. 2021 Jan 5;13(1):45-56. doi: 10.3390/pediatric13010006. PMID: 33466296; PMCID: PMC7838983.
- 26: Gugliandolo A, Silvestro S, **Chiricosta L**, Pollastro F, Bramanti P, Mazzon E. The Transcriptomic Analysis of NSC-34 Motor Neuron-Like Cells Reveals That Cannabigerol Influences Synaptic Pathways: A Comparative Study with Cannabidiol. *Life (Basel)*. 2020 Oct 1;10(10):227. doi: 10.3390/life10100227. PMID: 33019509; PMCID: PMC7600552.
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30: Silvestro S, **Chiricosta L**, Gugliandolo A, Pizzicannella J, Diomedede F, Bramanti P, Trubiani O, Mazzon E. Extracellular Vesicles Derived from Human Gingival Mesenchymal Stem Cells: A Transcriptomic Analysis. *Genes (Basel).* 2020 Jan 21;11(2):118. doi: 10.3390/genes11020118. PMID: 31973135; PMCID: PMC7073771.

31: **Chiricosta L**, Silvestro S, Pizzicannella J, Diomedede F, Bramanti P, Trubiani O, Mazzon E. Transcriptomic Analysis of Stem Cells Treated with Moringin or Cannabidiol: Analogies and Differences in Inflammation Pathways. *Int J Mol Sci.* 2019 Nov 30;20(23):6039. doi: 10.3390/ijms20236039. PMID: 31801206; PMCID: PMC6929002.

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Osteoangiogenesis Commitment. *Int J Mol Sci.* 2019 Jul 2;20(13):3256. doi: 10.3390/ijms20133256. PMID: 31269731; PMCID: PMC6651609.

35: Monzon AM, Carraro M, **Chiricosta L**, Reggiani F, Han J, Ozturk K, Wang Y, Miller M, Bromberg Y, Capriotti E, Savojardo C, Babbi G, Martelli PL, Casadio R, Katsonis P, Lichtarge O, Carter H, Kousi M, Katsanis N, Andreoletti G, Moulton J, Brenner SE, Ferrari C, Leonardi E, Tosatto SCE. Performance of computational methods for the evaluation of pericentriolar material 1 missense variants in CAGI-5. *Hum Mutat.* 2019 Sep;40(9):1474-1485. doi: 10.1002/humu.23856. Epub 2019 Aug 17. PMID: 31260570; PMCID: PMC7354699.

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