

## INFORMAZIONI PERSONALI



## Giulia Curia

📍 Università di Modena e Reggio Emilia  
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Nazionalità Italiana

POSIZIONE  
RICOPERTA

**Professore Associato di Fisiologia**  
Università degli Studi di Modena e Reggio Emilia, Modena

CARRIERA  
ACCADEMICA

- 
- |           |  |
|-----------|--|
| Dal 2014  | <b>Professore associato in Fisiologia (SSD BIO/09)</b><br>Università degli Studi di Modena e Reggio Emilia, Modena |
| 2010-2014 | <b>Ricercatore programma "Rientro dei Cervelli"</b><br>Università degli Studi di Modena e Reggio Emilia, Modena    |
| 2009-2010 | <b>Post-dottoranda senior</b><br>Harborview Medical Center - University of Washington, Seattle (WA, USA)           |
| 2005-2008 | <b>Post-dottoranda</b><br>Montreal Neurological Institute - McGill University, Montreal (QC, Canada)               |
| 2001-2004 | <b>Dottoranda</b><br>Università degli Studi di Milano-Bicocca, Milano  |
| 2000-2001 | <b>Assistente di Ricerca</b><br>Istituto Nazionale Neurologico "Carlo Besta", Milano                               |
| 1998-1999 | <b>Tesista</b><br>Università degli Studi di Milano, Milano   |

ESPERIENZA  
PROFESSIONALE

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- |                           |  |
|---------------------------|--|
| Dal 2015                  | <b>Membro della ILAE/AES Task Force 2 su preclinical data in epilepsy research</b><br>International League Against Epilepsy (ILAE)/American Epilepsy Society (AES), USA.   |
| <b>Attività didattica</b> | Dal 2010: docente di Fisiologia della Nutrizione, CdS in Dietistica, Unimore.<br>Dal 2012: docente di Fisiologia dello Sport, CdS in Dietistica, Unimore.<br>Dal 2015: docente di Fisiologia, CdS in Infermieristica, Unimore.<br>Dal 2015: docente di Fisiologia Generale, CdS delle professioni sanitarie della riabilitazione, Unimore. |

**Attività seminariale**

2021: Seminario "Termoregolazione in montagna: principali patologie da caldo e da freddo", evento MoreMED per studenti del CdS in Medicina e Chirurgia, Unimore.

2018: Seminario "Metodologie in studi preclinici: effetti del carisbamato sull'epilessia posttraumatica", per studenti del CdS in Chimica e Tecnologia Farmaceutica, Unimore.

2018: Seminario "Fisiologia dello sport e dell'esercizio fisico" per studenti del CdS in Scienze Biologiche, Unimore.

2016: Seminario "Il principio delle 3 R applicato a un modello acquisito di epilessia", per studenti del CdS in Chimica e Tecnologia farmaceutica, Unimore.

2015: Seminario "Il principio delle 3 R applicato a un modello di epilessia acquisita", per Centro Servizi Stabulario Interdipartimentale (CSSI), Unimore.

2014: Seminari di Neurofisiologia per Scuola di Dottorato in Medicina Clinica e Sperimentale, Unimore.

2012: Seminari di Neurofisiologia per Scuola di Dottorato in Medicina Clinica e Sperimentale e per Scuola di Dottorato in Neuroscienze, Unimore.

2011: Seminari di Fisiologia del Sistema Endocrino per Scuola di Specialità in Biochimica Clinica, Unimore.

2010: Seminari di Neurofisiologia per Scuola di Dottorato in Medicina Clinica e Sperimentale e per Scuola di Dottorato in Neuroscienze, Unimore.

**Membro commissario**

2019: membro esterno commissione dell'esame finale della scuola di dottorato in Ricerca Biomedica Integrativa, Università di Milano.

2018: membro esterno commissione della tesi intitolata "*Relevance of electrolytic balance in channelopathies*" dott.ssa A. Binda, supervisore Prof. I Rivilta, Scuola di dottorato in Medicina Molecolare e Translazionale - Dimet, Università di Milano-Bicocca, Milano.

**Attività di esperto valutatore**

**Monitor di Progetti di ricerca finanziati dalla EU**

2014-2017: progetto "*3x3D Image*", bando EU 7FP - ICT, (Budapest e Brussels).

**Esperto valutatore di progetti di ricerca per enti finanziatori**

2021: MUR, bando PRIN 2020 (remoto).

2018: MUR, bando PRIN 2017 (remoto).

2017: Università di Pavia, bando *Blue Sky Research Program* (remoto).

2017: Regione Sardegna, bando PO FSE 2014-2020 (remoto).

2015: *The Research Foundation of Flanders (FWO)* - Belgio (remoto).

2013: EU, bando 7FP, tema "*Pathophysiology and therapy of epilepsy and epileptiform disorders*" (Consensus meeting, Brussels).

2013: EU, bando 7FP, tema *Neuroscience*, area *Health* (panel meeting, Brussels).

2012: *University of Macau* - Cina (remoto).

2011: *Neurological Foundation of New Zealand* - Nuova Zelanda (remoto).

#### Valutatore esterno di tesi di dottorato di ricerca

2018: "*Mutant heteromeric nicotinic receptors in brain development and sleep-related epilepsy*", tesi del Dott. S. Brusco, supervisore Prof. A. Becchetti, Dottorato di Ricerca in Medicina Translazionale e Molecolare - DIMET Università di Milano-Bicocca, Milano.

**Attività di Terza Missione**

#### Conto Terzi

2022-2023: Consulente esterno per Passage Bio, Philadelphia, USA.

#### Public Engagement

2019: "Cellule staminali, elettronica e intelligenza artificiale: i 3 moschettieri per la cura del cervello malato". UniStem Day 2019, Verona. Giornata di seminari rivolti a studenti delle scuole superiori di Verona, organizzata da Università di Verona.

2018: "La scienza va in montagna: adattamenti dell'organismo all'alta quota". Ciclo seminari "Caffè scienza: insolite chiacchiere da bar" organizzato da UNIMORE e Pleiadi.

Dal 2013: Lezioni seminario su "Fisiologia in alta quota", "Termoregolazione e patologie da caldo e da freddo", "Alimentazione in montagna", a iscritti a corsi di escursionismo, ferrate, alpinismo e scialpinismo organizzati dal CAI (Club Alpino Italiano).

**Attività editoriale** Dal 2020: *Guest Associate Editor* per la rivista *Frontiers in Neuroscience - Neural Technology*.  
 Dal 2020: *Topic Editor* del numero speciale “*In vivo investigations on neurological disorders: from traditional approaches to forefront technologies*” per la rivista *Frontiers in Neuroscience - Neural Technology*.  
 2020-2022: *Theme Guest Editor* per il numero a tema “*Advanced Neurotechnologies: translating innovation for health and well-being*” per la rivista *Philosophical Transactions of the Royal Society A*.

ISTRUZIONE E FORMAZIONE

2004 **Dottore di Ricerca in Fisiologia Generale**  
 Università degli Studi di Milano

1999 **Dottore in Scienze Biologiche**  
 Università degli Studi di Milano

COMPETENZE PERSONALI

Lingua madre Italiano

Altre lingue

	COMPRESIONE		PARLATO		PRODUZIONE SCRITTA
	Ascolto	Lettura	Interazione	Produzione orale	
Inglese	C1	C2	C2	C1	C2

ULTERIORI INFORMAZIONI

**Certificazioni conseguite sul tema “Scienza degli animali da laboratorio”**

2021: Certificato “*Animal welfare and its impact on scientific research*”. Charles River e Università di Milano.

**2020: Certificato corso accreditato “Impiego degli animali ai fini scientifici ed educativi - livello 2”. Regione Emilia Romagna e AUSL-MO, Ozzano, Italia. 50 ECM**

2019: Certificato del seminario di aggiornamento “*Valutazione preventiva del dolore e della sofferenza secondo la normativa vigente: dall’allegato VI alla valutazione retrospettiva*”; Centro Servizi Stabulario Interdipartimentale (CSSI), UNIMORE.

2015: Certificato “*Introduction to Laboratory Animal Science*”; Centro Servizi Stabulario Interdipartimentale (CSSI), UNIMORE.

2011: Corso pratico “*Specific Pathogen Free Training*”; Centro Servizi Stabulario Interdipartimentale (CSSI), UNIMORE.

2010: Corso pratico “*Specific Pathogen Free Training*”; *University of Washington Animal Use Training Program, University of Washington (Seattle, WA, USA)*.

2009: Certificato “*Animal Use Laws and Regulation Training*”; *University of Washington Animal Use Training Program, University of Washington (Seattle, WA, USA)*.

2007: Certificato “*Guinea Pig Methodology workshop*”; *McGill University Animal Care Committee, McGill University (Montreal, Canada)*.

2005: Certificato “*Mouse Methodology workshop*”; *McGill University Animal Care Committee, McGill University (Montreal, Canada)*.

2005: Certificato “*Rat Methodology workshop*”; *McGill University Animal Care Committee, McGill University (Montreal, Canada)*.

2005: Certificato “*Theory training course on animal use for research and teaching (advanced level)*”; *McGill University Animal Care Committee, McGill University (Montreal, Canada)*.

Certificazioni conseguite sul tema  
"Fisiologia, Ricerca e Terza missione"

2021: Corso on-line "Predatory journals e valutazione della qualità delle riviste: il punto di vista della bibliometria", UNIMORE, Italia.  
 2021: Workshop on-line "Elettroencefalografia: aspetti biofisici e tecnici importanti per le applicazioni cliniche nel presente e nel futuro", Prof. S. Meletti, MoReMED, UNIMORE, Italia.  
 2018: Corso on-line "Stakeholder Engagement in FET"; EEFFECT webinar, FETFX, Brussels, Belgio.  
 2017: Certificato on-line "Systematic reviews of animal studies"; SYstematic Review Center for Laboratory animal Experimentation (SYRACLE), University of Radbound, Olanda.  
 2012: Corso della Scuola di Fisiologia e Biofisica della SIF (Società Italiana di Fisiologia) "Fisiologia degli ambienti straordinari: risposte acute e adattamenti dell'organismo all'altitudine", Torino e Rifugio Guide del Cervino - Plateau Rosà (Breuil-Cervinia), Italia.  
 2009: Certificato on-line "Health Insurance Portability and Accountability Act (HIPAA) Compliance: Health Care Compliance Strategies (HCCS)", Jericho, NY, USA.

Certificazioni conseguite sul tema  
"Sicurezza e Prevenzione sul posto di lavoro"

2021: Certificato on-line "Riconoscere e contrastare gli effetti psicosociali del Covid-19 per una buona convivenza lavorativa, FAD securMORE, UNIMORE.  
 2021: Certificato on-line "L'obbligo vaccinale dei lavoratori durante l'emergenza sanitaria, UNIMORE.  
 2021: Certificato on-line "Smart working: conciliazione con la vita familiare, aspetti ergonomici e rischi psicosociali", FAD securMORE, UNIMORE.  
 2020: Certificato on-line "SARS-COV-2: cosa è e come utilizzare i Dispositivi di Protezione Individuale", FAD securMORE, UNIMORE.  
 2020: Certificato on-line "Indicazioni per la prevenzione della trasmissione COVID-19"; FAD securMORE, UNIMORE.  
 2020: Certificato on-line "Aggiornamento 1 - Promozione della salute"; FAD securMORE, UNIMORE.  
 2015: Certificato on-line "Gestione delle emergenze e primo soccorso"; FAD securMORE, UNIMORE.  
 2015: Certificato on-line "Formazione specifica per dirigenti e preposti"; FAD securMORE, UNIMORE.  
 2015: Certificato on-line "Corso di aggiornamento per il personale che ha regolarmente partecipato, entro il 31/12/2013, alla formazione FAD SicurMORE"; FAD securMORE, UNIMORE.  
 2010: Certificato on-line "Modulo 3: Rischi specifici: rischio biologico"; FAD securMORE, UNIMORE.  
 2010: Certificato on-line "Modulo 2: Rischi specifici: i gas, i laser, le radiazioni ionizzanti; rischio fisico e chimico"; FAD securMORE, UNIMORE.  
 2010: Certificato on-line "Modulo 1: Formazione generale alla prevenzione e alla sicurezza sul lavoro"; FAD securMORE, UNIMORE.  
 2007: Certificato "Hazardous waste management & disposal training for laboratory personnel"; McGill University (Montreal, Canada).  
 2007: Certificato "Safe use of biological safety cabinets training for laboratory personnel"; McGill University (Montreal, Canada).  
 2005: Certificato "Workplace hazardous materials information system (WHMIS) training for laboratory personnel"; McGill University (Montreal, Canada).  
 2004: Corso di formazione su biosicurezza per personale di laboratorio; Università di Milano-Bicocca (Milano, Italia).

Progetti e Finanziamenti  
(segue)

2022-2023  
*Analysis of circulating free DNA as a marker of cerebral concussion in boxers and a rodent model*  
 UNIMORE FAR 2021 Mission Oriented - 67 k€

2020-2022  
 SCOTLAND - Scalable, Controlled Optogenetics Treatment imPLAntbles for Neurological Disorders  
 UK Research and Innovation - 83 k€

2020-2022  
 WiseCURE - Wireless Implantable Devices for Neurological Disorders Cure  
 EU H2020-MSCA-IF 2019 - 225 K€

2019-2024  
 HERMES - Hybrid enhanced regenerative medicine systems  
 EU H2020-FETPROACT-2018-01-RIA - 8.4 M€

Progetti e Finanziamenti (continua)	<p>2017-2019 <i>Characterization of epileptic seizures and seizure susceptibility in an animal model of Alzheimer's disease</i> UNIMORE FAR 2016 Dipartimentale - 3 k€</p> <p>2013-2014 <i>Learning from epilepsy to understand Alzheimer's disease</i> Alzheimer's Association, USA - 100 kUSD</p> <p>2012-2015 <i>The role of neuronal nicotinic receptors in the pathogenesis of autosomal dominant nocturnal frontal lobe epilepsy: a study on wild-type and conditional transgenic mice expressing the beta2-V287L subunit</i> Fondazione Telethon, Italia - 180 k€</p> <p>2012-2014 <i>Novel treatment for a genetic drug-resistant epileptic encephalopathy of infancy: virus delivered RNA interference in an animal model of Dravet syndrome</i> Fondazione Pierfranco e Luisa Mariani, Italia - 32 k€</p> <p>2010-2014 <i>Neurophysiological and molecular-anatomic alterations of hippocampal and parahippocampal networks in a mouse model of Fragile X syndrome</i> MIUR Rientro dei Cervelli, Italia - 155 k€</p>
Premi e Borse di Ricerca	<p>2006-2008 <i>Phasic and Tonic components of the GABA<sub>A</sub> current in a mouse model of Fragile X syndrome</i> Canadian Institutes of Health Research and Fragile X Research Foundation of Canada, Canada - 100 kCAD (PostDoctoral Fellowship)</p> <p>2006 <i>Phasic and Tonic components of the GABA<sub>A</sub> current in a mouse model of Fragile X syndrome</i> Fragile X Research Foundation of Canada, Canada - 42.5 kCAD (PostDoctoral Fellowship)</p> <p>2004 Fondazione Telethon - 2 k€ (Premio di Ricerca)</p> <p>2003 Fondazione Telethon - 2 k€ (Premio di Ricerca)</p> <p>2001-2004 Università degli Studi di Milano - 32 k€ (Borsa di studio Scuola di Dottorato)</p>
Riconoscimenti	<p>2022: Supervisore della Dott.ssa S. Bartoletti, vincitrice del <i>Travel Grant</i> per partecipare al congresso FENS 2022 a Parigi (Francia) il 9-13 luglio.</p> <p>2020: Supervisore della Dott.ssa S. Bartoletti, vincitrice del <i>PhD video contest</i> organizzato da ART-ER (Attrattività Ricerca Territorio-Emilia Romagna) e EROI (Emilia Romagna Open Innovation).</p> <p>2016: Commento editoriale (Neuron 92:1154-1157, 2016) all'articolo Lippi et al., Neuron 92:1337-1351, 2016.</p> <p>2014: Chiamata diretta a professore associato riservato ai vincitori del bando "Rientro dei cervelli".</p> <p>2009: Commento editoriale (Cerebral Cortex 19(7):1490-1492, 2009) all'articolo Curia et al., Cerebral Cortex 19(7):1515-1520, 2009.</p> <p>2008: Abstract selezionato per presentazione orale al 38° congresso annuale della <i>Society for Neuroscience</i> tenutosi il 15-19 novembre 2008 a Washington (DC, USA).</p>

Attività di Supervisore di Assegnisti di ricerca	Dott. B. Casadei Garofani (dal 2021) Dott. E. Ren (dal 2019) Dott. F. Santana (2019-2020) Dott. S. Bartoletti (2019)
Attività di Supervisore di Dottorandi	Dott. S. Bartoletti, PhD in Neuroscienze - XXXV ciclo, Unimore (dal 2019)
Attività di Supervisore di Studenti Internazionali in visita	Dott. J. Lavigne, PhD student 85 SVS, Université Nice Sophia-Antipolis, Valbonne-Sophia Antipolis, France (2014)
Attività di Supervisore di Tesisti	A. Capodiferro, Laurea magistrale in Biotecnologie Mediche, UniMoRe (dal 2022) Dott. F. Raimondi, Laurea magistrale in Neuroscienze, Università di Pavia (2021-2022) Dott. F. Palmieri, Laurea in Dietistica, UniMoRe (2016) Dott. M. Andreoli, Laurea in Dietistica, UniMoRe (2016)
Presentazioni orali	22.11.2021 - <i>In vivo epilepsy model and grafting: a step towards enhanced regenerative medicine</i> . Simposio in ricordo del Prof. Jacopo Magistretti. Università di Pavia, Pavia, Italia. 29.11.2016 - Definire proposte progettuali di successo in ambito Horizon 2020: il contributo di valutatori ed esperti d'area. <i>Panel Societal Challenges: focus area Health</i> . UniMoRe Infoday Direzione Ricerca e Trasferimento tecnologico. Modena, Italia. 18.12.2008 - <i>Sindrome dell'X Fragile: neuroni fuori controllo?</i> UniMoRe, Modena. 18.11.2008 - <i>Downregulation of tonic GABAA receptor-mediated inhibition in a mouse model of Fragile X syndrome</i> . 38th Annual Meeting of the Society for Neuroscience, Washington (DC), USA. 25.05.2007 - <i>Altered GABAergic system in a mouse model of Fragile X syndrome</i> . 4° conferenza sull'epilettogenesi, S. Croce in Fossabanda, Pisa, Italia. 13.05.2007 - <i><math>\beta/\gamma</math> oscillatory activity in the CA3 hippocampal area is depressed by aberrant GABAergic transmission from the dentate gyrus after seizures</i> . Giornate di Studio sull'Eccitabilità Neuronale – IV, Corbara, Terni, Italia.
Pubblicazioni Articoli di Ricerca su rivista (segue)	34. Ciarpella F, Zamfir RG, Campanelli A, Ren E, Pedrotti G, Bottani E, Caron D, Di Chio M, Ahtainen A, Malpeli G, Malerba G, Bardoni R, Fumagalli G, Hyttinen J, Bifari F, Palazzolo G, Panuccio G, Curia G, Decimo I. (2021) Mouse neural stem cells organize and mature into 3D functional neuronal network. <i>iScience</i> . 24:103438. DOI: 10.1016/j.isci.2021.103438 33. Ren E, Curia G. (2021) Synaptic reshaping and neuronal outcomes in the temporal lobe epilepsy. <i>International Journal of Molecular Sciences</i> . 22(8):3860. DOI: 10.3390/ijms22083860 32. McGlynn E, Nabaei V, Ren E, Galeote-Checa G, Das R, Curia G, Heidari H. (2021) The Future of Neuroscience: Flexible and Wireless Implantable Neural Electronic. <i>Advanced Science</i> . 2002693. DOI: 10.1002/advs.202002693 31. Ghannam R, Curia G, Brante G, Khosravi S, Fan H. (2020) Implantable and Wearable Neuroengineering Education: A Review of Postgraduate Programmes. <i>IEEE Access</i> 8:212396-212408. DOI: 10.1109/ACCESS.2020.3040064 30. Ghannam R, Curia G, Brante G, Fan H, Heidari H. (2020) Wearable Electronics for Neurological Applications: A Review of Undergraduate Engineering Programmes. 2020 Transnational Engineering Education using Technology (TREET) Glasgow, United Kingdom, 2020. Article number 9189753, pp. 1-4. DOI: 10.1109/TREET50959.2020.9189753 29. Qiu F, Mao X, Liu P, Wu J, Zhang Y, Sun D, Zhu Y, Gong L, Shao M, Fan K, Chen J, Lu J, Jiang Y, Zhang Y, Curia G, Li A, He M. (2020) microRNA Deficiency in VIP+ Interneurons Leads to Cortical Circuit Dysfunction. <i>Cerebral Cortex</i> 30(4):2229-2249. DOI: 10.1093/cercor/bhz236 28. Mecugni D, Curia G, Pisciotta A, Amaducci G, Tutors of the Nursing Course Degree. (2019) Use of high fidelity simulation: a two-year training project experience for third year students in Nursing course degree of Reggio Emilia. <i>Advances in Intelligent Systems and Computing</i> , 804:293-301. DOI: 10.1007/978-3-319-98872-6_35 27. Lucchi C, Costa AM, Giordano C, Curia G, Piat M, Leo G, Vinet J, Brunel L, Fehrentz JA, Martinez J, Torsello A, Biagini G. (2017) Involvement of PPAR $\gamma$ in the anticonvulsant activity of EP-80317, a ghrelin receptor antagonist. <i>Frontiers in Pharmacology</i> 8:676. DOI: 10.3389/fphar.2017.00676

Publicazioni  
Articoli di Ricerca  
su rivista  
(segue)

26. Lippi G, Fernandes CC, Ewell LA, John D, Romoli B, Curia G, Taylor SR, Frady EP, Jensen AB, Liu JC, Chaabane MM, Belal C, Nathanson JL, Zoli M, Leutgeb JK, Biagini G, Yeo JW, Berg DK. (2016) MicroRNA-101 regulates multiple development programs to constrain excitation in adult neural networks. *Neuron* 92(6):1337-1351. DOI: 10.1016/j.neuron.2016.11.017  
\* Editorial Comment in: *Neuron* (2016) 92(6):1154-1157. DOI: 10.1016/j.neuron.2016.12.014
25. Vinet J, Vainchtein ID, Spano C, Giordano C, Bordini D, Curia G, Dominici M, Boddeke HW, Eggen BJ, Biagini G. (2016) Microglia are less pro-inflammatory than myeloid infiltrates in the hippocampus of mice exposed to status epilepticus. *Glia* 64(8):1350-1362. DOI: 10.1002/glia.23008
24. Giordano C, Vinet J, Curia G, Biagini G. (2015) Repeated 6-Hz corneal stimulation progressively increases FosB/ $\Delta$ FosB levels in the lateral amygdala and induces seizure generalization to the hippocampus. *Plos One* 10(11):e0141221. DOI: 10.1371/journal.pone.0141221
23. Curia G, Lucchi C, Vinet J, Gualtieri F, Marinelli C, Torsello A, Costantino L, Biagini G. (2014) Pathophysiology of mesial temporal lobe epilepsy: is prevention of damage antiepileptogenic? *Current Medicinal Chemistry* 21(6):663-688. DOI: 10.2174/0929867320666131119152201
22. Lucchi C, Curia G, Vinet J, Gualtieri F, Bresciani E, Locatelli V, Torsello A, Biagini G. (2013) Protective but not anticonvulsive effects of ghrelin and JMV-1843 in the pilocarpine model of status epilepticus. *Plos One* 8(8):e72716. DOI: 10.1371/journal.pone.0072716
21. Biagini G, Rustichelli C, Curia G, Vinet J, Lucchi C, Pugnaghi M, Meletti S. (2013) Neurosteroids and epileptogenesis. *Journal of Neuroendocrinology* 25(11):980-990. DOI: 10.1111/jne.12063
20. Curia G, Gualtieri F, Bartolomeo R, Vezzali R, Biagini G. (2013) Resilience to audiogenic seizures is associated with p-ERK1/2 dephosphorylation in the subiculum of Fmr1 knockout mice. *Frontiers in Cellular Neuroscience* 7:46. DOI: 10.3389/fncel.2013.00046
19. Gualtieri F, Curia G, Marinelli C, Biagini G. (2012) Increased perivascular laminin predicts damage to astrocytes in CA3 and piriform cortex following chemoconvulsive treatments. *Neuroscience* 218:278-294. DOI: 10.1016/j.neuroscience.2012.05.018
18. Eastman CL, Verley DR, Fender JS, Stewart TH, Nov E, Curia G, D'Ambrosio R. (2011) Antiepileptic and Antiepileptogenic performance of Carisbamate after head injury in the rat: blind and randomized studies. *JPET* 336(3):779-790. DOI: 10.1124/jpet.110.175133
17. Curia G, Levitt M, Fender JS, Miller JW, Ojemann J, D'Ambrosio R. (2011) Impact of injury location and severity on posttraumatic epilepsy in the rat: role of frontal neocortex. *Cerebral Cortex* 21(7):1574-1592. DOI: 10.1093/cercor/bhq218
16. Di Resta C, Ambrosi P, Curia G, Becchetti A. (2010) Effect of carbamazepine and oxcarbazepine on wild-type and mutant neuronal nicotinic acetylcholine receptors linked to nocturnal frontal lobe epilepsy. *Eur J Pharmacol* 643(1):13-20. DOI: 10.1016/j.ejphar.2010.05.063
15. Mantegazza M, Curia G, Biagini G, Ragsdale DS, Avoli M. (2010) Voltage-gated sodium channels as therapeutic targets in epilepsy and other neurological disorders. *The Lancet Neurology* 9(4):413-424. DOI: 10.1016/S1474-4422(10)70059-4
14. Curia G, Biagini G, Perucca E, Avoli M. (2009) Lacosamide: a new approach to target voltage-gated sodium currents in epileptic disorders. *CNS Drugs* 23(7):555-568. DOI: 10.2165/00023210-200923070-00002
13. Panuccio G, Curia G, Colosimo A, Cruccu G, Avoli M. (2009) Epileptiform synchronization in the cingulate cortex. *Epilepsia* 50(3):521-536. DOI: 10.1111/j.1528-1167.2008.01779.x
12. Curia G, Papouin T, Seguela P, Avoli M. (2009) Downregulation of tonic GABAergic inhibition in a mouse model of Fragile X syndrome\*. *Cerebral Cortex* 19(7):1515-1520. DOI: 10.1093/cercor/bhn159  
\* Editorial Comment in: *Cerebral Cortex* (2009) 19(7):1490-1492. DOI: 10.1093/cercor/bhp089
11. Curia G, Longo D, Biagini G, Jones RSG, Avoli M. (2008) The pilocarpine model of temporal lobe epilepsy. *J Neurosci Methods* 172(2):143-157. DOI: 10.1016/j.jneumeth.2008.04.019
10. Cataldi M, Lariccia V, Marzaioli V, Cavaccini A, Curia G, Viggiano D, Canzoniero LM, di Renzo G, Avoli M, Annunziato L. (2007) Zn<sup>2+</sup> slows down CaV3.3 gating kinetics: implications for thalamocortical activity. *J Neurophysiol* 98(4):2274-2284. DOI: 10.1152/jn.00889.2006
9. D'Antuono M, Kawasaki H, Palmieri C, Curia G, Biagini G, Avoli M. (2007) Antiepileptic drugs and muscarinic receptor-dependent excitation in the rat subiculum. *Neuropharmacology* 52(5):1291-1302. DOI: 10.1016/j.neuropharm.2007.01.008

- Pubblicazioni  
Articoli di Ricerca  
su rivista  
(continua)**
8. Curia G\*, Aracri P, Colombo E, Scalmani P, Mantegazza M, Avanzini G, Franceschetti S. (2007) Phosphorylation of sodium channels mediated by protein kinase-C modulates inhibition by topiramate of tetrodotoxin-sensitive transient sodium current. *British J Pharmacology* 150(6):792-797. DOI: 10.1038/sj.bjp.0707144
  7. Aridon P, Marini C, Di Resta C, Brilli E, De Fusco M, Politi F, Parrini E, Manfredi I, Pisano T, Pruna D, Curia G, Cianchetti C, Pasqualetti M, Becchetti A, Guerrini R, Casari G. (2006) Increased sensitivity of the neuronal nicotinic receptor alpha 2 subunit causes familial epilepsy with nocturnal wandering and ictal fear. *Am J Hum Genet* 79(2):342-350. DOI: 10.1086/506459
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Appartenenza ad associazioni

- SIF - Società Italiana di Fisiologia (membro regolare dal 2012)  
LICE - Lega Italiana Contro Epilessia (membro regolare dal 2015)  
AISAL - Associazione Italiana per le Scienze degli Animali da Laboratorio (membro regolare dal 2018)  
AIRIcerca (membro regolare dal 2019)

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