

## CURRICULUM VITAE SKETCH

Name: Rodrigo Rocamora		Position title: Director of Epilepsy Unit
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### **1. Education / Training**

<b>Degree:</b>	<b>Institution</b>	<b>Year(s)</b>
Medical Degree (M.D.)	UNC, Facultad de Medicina; Mendoza, Argentina	1987-1994
Master in Neurology	Universidad Católica de Chile, Santiago, Chile	1995-1998
Visiting Fellow	Mayo Clinic. Department of Neurology. Minnesota, USA	1998
Doctorate in Medicine (Ph.D)	University of Bonn. Bonn, Germany	1999-2001
Post-doctoral Training	University of Marburg. Marburg, Germany.	2002-2004
	University of Freiburg. Freiburg, Germany.	2004-2006

### **2. Professional academic positions**

<b>Dates</b>	<b>Position</b>	<b>Department &amp; Institution</b>
1995-1998	Neurology Resident	Department of Neurology. Universidad Católica de Chile
1999-2001	Doctoral Fellow	Department of Epileptology. University of Bonn, Germany
2002-2004	Associated Specialist	Department of Psychiatry and Department of Neurology. University of Marburg, Germany
2004-2006	Associated Specialist	Department of Neurosurgery. University of Freiburg, Germany
2007-2009	Director of the Sleep Centre	Department of Neurology. Hospital Ruber Internacional Madrid, Spain
2009 to date	Director of the Epilepsy Unit	Department of Neurology. Hospital del Mar, Barcelona, Spain.
2012 to 2014	Associated Professor	Medicine Faculty. Universitat Autònoma de Barcelona
2015 to date	Associated Professor	Biomedical Engineering. Universitat Pompeu Fabra

### **3. Honours and other professional activities**

<b>Dates (from-until)</b>	<b>Description</b>
	<b>Involvement in Institutional Activities:</b>
Since 2009	Member of the Steering Committee of the Epilepsy Group. Sociedad Española de Neurología (SEN)
Since 2012	Member of the national network for epilepsy surgery (CSUR) as director Epilepsy Reference Centre in Hospital del Mar
Since 2014	Spanish representative in the European Commission`s Task Force for the organization of the European Reference Networks (ERNs)
Since 2015	Member of European Commission`s Task Force for the organization of ERNs
Since 2016	Member of E-epilepsy, the pan-European project of centres for epilepsy surgery
Since 2016	Member of EPI-Care, the European Reference Network (ERN) for Epilepsy
Since 2019	Coordinator of the Functional Unit of Epilepsy Surgery in Catalonia

#### 4. Publications

- 1: Trinka E, Rocamora R, Chaves J, Moreira J, Ikedo F, Soares-da-Silva P; BIA-2093-311/EXT Investigators Study Group. Long-term efficacy and safety of eslicarbazepine acetate monotherapy for adults with newly diagnosed focal epilepsy: An open-label extension study. *Epilepsia*. 2020 Sep 17. doi:10.1111/epi.16666. Epub ahead of print. PMID: 32944934.
- 2: Granata T, Bisulli F, Arzimanoglou A, Rocamora R. Did the COVID-19 pandemic silence the needs of people with epilepsy? *Epileptic Disord*. 2020 Aug 1;22(4):439-442. doi: 10.1684/epd.2020.1175. PMID: 32759092; PMCID: PMC7537265.
- 3: Ley M, Principe A, Rocamora R. Efectos a largo plazo de las dibenzazepinas sobre los parámetros metabólicos: comparación retrospectiva de carbamazepina, oxcarbazepina y acetato de eslicarbazepina en el mundo real [Long-term effects of dibenzazepines on metabolic parameters: retrospective comparison of carbamazepine, oxcarbazepine and eslicarbazepine acetate in the real world]. *Rev Neurol*. 2020 Jul 16;71(2):54-60. Spanish. doi: 10.33588/rn.7102.2019207. PMID: 32627160.
- 4: Rocamora R, Álvarez I, Chavarría B, Principe A. Perampanel effect on sleep architecture in patients with epilepsy. *Seizure*. 2020 Feb 10;76:137-142. doi: 10.1016/j.seizure.2020.01.021. Epub ahead of print. PMID: 32086182.
- 5: Rocamora R, Peltola J, Assenza G, McMurray R, Villanueva V. Safety, tolerability and effectiveness of transition to eslicarbazepine acetate from carbamazepine or oxcarbazepine in clinical practice. *Seizure*. 2020 Feb;75:121-128. doi: 10.1016/j.seizure.2019.12.022. Epub 2019 Dec 23. PMID: 31981862.
- 6: Vila-Vidal M, Pérez Enríquez C, Principe A, Rocamora R, Deco G, Tauste Campo A. Low entropy map of brain oscillatory activity identifies spatially localized events: A new method for automated epilepsy focus prediction. *Neuroimage*. 2020 Mar;208:116410. doi: 10.1016/j.neuroimage.2019.116410. Epub 2019 Nov 27. PMID: 31785422.
- 7: Kaplan R, Tauste Campo A, Bush D, King J, Principe A, Koster R, Ley Nacher M, Rocamora R, Friston KJ. Human hippocampal theta oscillations reflect sequential dependencies during spatial planning. *Cogn Neurosci*. 2020 Jul;11(3):122-131. doi: 10.1080/17588928.2019.1676711. Epub 2019 Oct 16. PMID: 31617790.
- 8: Sanchez-Larsen A, Fernandez-Perez I, Principe A, Ley M, Rocamora R. SUDEP in Spain: An Epilepsy Monitoring Unit based case series. *Seizure*. 2019 Jul;69:258-264. doi: 10.1016/j.seizure.2019.05.014. Epub 2019 May 18. PMID: 31129365.
- 9: Pacheco Estefan D, Sánchez-Fibla M, Duff A, Principe A, Rocamora R, Zhang H, Axmacher N, Verschure PFMJ. Coordinated representational reinstatement in the human hippocampus and lateral temporal cortex during episodic memory retrieval. *Nat Commun*. 2019 May 21;10(1):2255. doi: 10.1038/s41467-019-09569-0. PMID: 31113952; PMCID: PMC6529470.
- 10: Leguia MG, Martínez CGB, Malvestio I, Campo AT, Rocamora R, Levnajić Z, Andrzejak RG. Inferring directed networks using a rank-based connectivity measure. *Phys Rev E*. 2019 Jan;99(1-1):012319. doi: 10.1103/PhysRevE.99.012319. PMID: 30780311.
- 11: Principe A, Ley M, Conesa G, Rocamora R. Prediction error connectivity: A new method for EEG state analysis. *Neuroimage*. 2019 Mar;188:261-273. doi: 10.1016/j.neuroimage.2018.11.052. Epub 2018 Dec 1. PMID: 30508680.
- 12: Trebaul L, Deman P, Tuyisenge V, Jedynek M, Hugues E, Rudrauf D, Bhattacharjee M, Tadel F, Chanteloup-Foret B, Saubat C, Reyes Mejia GC, Adam C, Nica A, Pail M, Dubeau F, Rheims S, Trébuchon A, Wang H, Liu S, Blauwblomme T, Garcés M, De Palma L, Valentin A, Metsähonkala EL, Petrescu AM, Landré E, Szurhaj W, Hirsch E, Valton L, Rocamora R, Schulze-Bonhage A, Mindruta I, Francione S, Maillard L, Taussig D, Kahane P, David O. Probabilistic functional tractography of the human cortex revisited. *Neuroimage*. 2018 Nov 1;181:414-429. doi: 10.1016/j.neuroimage.2018.07.039. Epub 2018 Jul 17. PMID: 30025851; PMCID: PMC6150949.

- 13: Garcia-Lorenzo B, Del Pino-Sedeño T, Rocamora R, López JE, Serrano-Aguilar P, Trujillo-Martín MM. Stereoelectroencephalography for Refractory Epileptic Patients Considered for Surgery: Systematic Review, Meta-Analysis, and Economic Evaluation. *Neurosurgery*. 2019 Feb 1;84(2):326-338. doi: 10.1093/neuros/nyy261. PMID: 29982799.
- 14: Tauste Campo A, Principe A, Ley M, Rocamora R, Deco G. Degenerate time-dependent network dynamics anticipate seizures in human epileptic brain. *PLoS Biol*. 2018 Apr 5;16(4):e2002580. doi:10.1371/journal.pbio.2002580. PMID: 29621233; PMCID: PMC5886392.
- 15: Quevedo-Diaz M, Campo AT, Vila-Vidal M, Principe A, Ley M, Rocamora R. Ictal spitting in non-dominant temporal lobe epilepsy: an anatomo-electrophysiological correlation. *Epileptic Disord*. 2018 Apr 1;20(2):139-145. doi:10.1684/epd.2018.0963. PMID: 29620007.
- 16: Cruzat J, Deco G, Tauste-Campo A, Principe A, Costa A, Kringelbach ML, Rocamora R. The dynamics of human cognition: Increasing global integration coupled with decreasing segregation found using iEEG. *Neuroimage*. 2018 May 15;172:492-505. doi: 10.1016/j.neuroimage.2018.01.064. Epub 2018 Feb 6. PMID: 29425897.
- 17: Rocamora R, Ley M, Molins A, Toledo M, Sansa G, Bertol V, Becerra JL, Carreño M, Mauri JÁ. Effect of lacosamide on depression and anxiety symptoms in patients with focal refractory epilepsy: A prospective multicenter study. *Epilepsy Behav*. 2018 Feb;79:87-92. doi: 10.1016/j.yebeh.2017.10.032. Epub 2017 Dec 16. PMID: 29253680.
- 18: Principe A, Calabria M, Campo AT, Cruzat J, Conesa G, Costa A, Rocamora R. Whole network, temporal and parietal lobe contributions to the earliest phases of language production. *Cortex*. 2017 Oct;95:238-247. doi: 10.1016/j.cortex.2017.08.021. Epub 2017 Aug 24. PMID: 28918128.
- 19: Sanchez-Larsen A, Aznar-Lain G, Benito B, Principe A, Ley M, Tauste Campo A, Rocamora R. Post-ictal atrial fibrillation detected during video-EEG monitoring: Case report, proposed physiopathologic mechanism and therapeutic considerations. *Epilepsy Behav Case Rep*. 2017 Jul 6;8:40-43. doi: 10.1016/j.ebcr.2017.06.005. PMID: 28856096; PMCID: PMC5565630.
- 20: Holtkamp M, Beghi E, Benninger F, Kälviäinen R, Rocamora R, Christensen H; European Stroke Organisation. European Stroke Organisation guidelines for the management of post-stroke seizures and epilepsy. *Eur Stroke J*. 2017 Jun;2(2):103-115. doi: 10.1177/2396987317705536. Epub 2017 Apr 19. PMID: 31008306; PMCID: PMC6453212.
- 21: Vila-Vidal M, Principe A, Ley M, Deco G, Tauste Campo A, Rocamora R. Detection of recurrent activation patterns across focal seizures: Application to seizure onset zone identification. *Clin Neurophysiol*. 2017 Jun;128(6):977-985. doi: 10.1016/j.clinph.2017.03.040. Epub 2017 Apr 3. PMID: 28433856.
- 22: Hampel KG, Rocamora Zuñiga R, Quesada CM. Unravelling the mysteries of sudden unexpected death in epilepsy. *Neurologia*. 2019 Oct;34(8):527-535. English, Spanish. doi: 10.1016/j.nrl.2017.02.004. Epub 2017 Apr 18. PMID: 28431832.
- 23: Villanueva V, Ojeda J, Rocamora RA, Serrano-Castro PJ, Parra J, Rodríguez-Uranga JJ, Bathal H, Viteri C. EPICON consensus: recommendations for proper management of switching to eslicarbazepine acetate in epilepsy. *Neurologia*. 2018 Jun;33(5):290-300. English, Spanish. doi: 10.1016/j.nrl.2016.04.014. Epub 2016 Jun 24. PMID: 27349151.
- 24: Serrano-Castro PJ, Mauri-Llerda JA, Garcia A, Rocamora R, Pardo-Merino A, Garcia-Garcia P. Adhesion al tratamiento con levetiracetam: estudio observacional retrospectivo no intervencionista [Treatment adherence with levetiracetam: a non-interventionist retrospective observation-based study]. *Rev Neurol*. 2016 Jun 1;62(11):481-6. Spanish. PMID: 27222081.
- 25: Ley M, Principe A, Jiménez-Conde J, Rocamora R. Assessing long-term effects of eslicarbazepine acetate on lipid metabolism profile, sodium values and liver function tests. *Epilepsy Res*. 2015 Sep;115:147-52. doi: 10.1016/j.eplepsyres.2015.06.013. Epub 2015 Jun 22. PMID: 26220393.

- 26: Rocamora R. A review of the efficacy and safety of eslicarbazepine acetate in the management of partial-onset seizures. *Ther Adv Neurol Disord*. 2015 Jul;8(4):178-86. doi: 10.1177/1756285615589711. PMID: 26136845; PMCID: PMC4480532.
- 27: Suárez-Piñera M, Mestre-Fusco A, Ley M, González S, Medrano S, Principe A, Mojal S, Conesa G, Rocamora R. Perfusion SPECT, SISCOm and PET (18)F-FDG in the assessment of drug- refractory epilepsy patients candidates for epilepsy surgery. *Rev Esp Med Nucl Imagen Mol*. 2015 Nov-Dec;34(6):350-7. English, Spanish. doi: 10.1016/j.remn.2015.05.002. Epub 2015 Jun 26. PMID: 26118354.
- 28: Peltola J, Holtkamp M, Rocamora R, Ryvlin P, Sieradzan K, Villanueva V. Practical guidance and considerations for transitioning patients from oxcarbazepine or carbamazepine to eslicarbazepine acetate--Expert opinion. *Epilepsy Behav*. 2015 Sep;50:46-9. doi: 10.1016/j.yebeh.2015.05.036. Epub 2015 Jun 24. PMID: 26114438.
- 29: Rocamora R, Becerra JL, Fossas P, Gomez M, Vivanco-Hidalgo RM, Mauri JA, Molins A. Pilomotor seizures: an autonomic semiology of limbic encephalitis? *Seizure*. 2014 Sep;23(8):670-3. doi: 10.1016/j.seizure.2014.04.013. Epub 2014 May 2. PMID: 24890932.
- 30: Ley M, Vivanco R, Massot A, Jiménez J, Roquer J, Rocamora R. Estudio de seguridad en la monitorización por vídeo-electroencefalograma prolongado [Safety study of long-term video-electroencephalogram monitoring]. *Neurologia*. 2014 Jan-Feb;29(1):21-6. Spanish. doi: 10.1016/j.nrl.2013.03.008. Epub 2013 Jul 3. PMID: 23830576.
- 31: Rocamora R, Andrzejak RG, Jiménez-Conde J, Elger CE. Sleep modulation of epileptic activity in mesial and neocortical temporal lobe epilepsy: a study with depth and subdural electrodes. *Epilepsy Behav*. 2013 Aug;28(2):185-90. doi: 10.1016/j.yebeh.2013.04.010. Epub 2013 Jun 10. PMID: 23751358.
- 32: Massot A, Vivanco R, Principe A, Roquer J, Rocamora R. Post-authorisation study of eslicarbazepine as treatment for drug-resistant epilepsy: preliminary results. *Neurologia*. 2014 Mar;29(2):94-101. English, Spanish. doi: 10.1016/j.nrl.2013.02.013. Epub 2013 Apr 25. PMID: 23623701.
- 33: Kundermann B, Thum A, Rocamora R, Haag A, Krieg JC, Hemmeter U. Comparison of polysomnographic variables and their relationship to cognitive impairment in patients with Alzheimer's disease and frontotemporal dementia. *J Psychiatr Res*. 2011 Dec;45(12):1585-92. doi: 10.1016/j.jpsychires.2011.07.008. Epub 2011 Jul 30. PMID: 21803373.
- 34: Rocamora R, Gil-Nagel A, Franch O, Vela-Bueno A. Familial recurrent hypersomnia: two siblings with Kleine-Levin syndrome and menstrual-related hypersomnia. *J Child Neurol*. 2010 Nov;25(11):1408-10. doi: 10.1177/0883073810366599. Epub 2010 Apr 19. PMID: 20404354.
- 35: Rocamora R, Sánchez-Alvarez JC, Salas-Puig J. The relationship between sleep and epilepsy. *Neurologist*. 2008 Nov;14(6 Suppl 1):S35-43. doi: 10.1097/01.nrl.0000340790.15295.59. PMID: 19225369.
- 36: Rocamora R, Mader I, Zentner J, Schulze-Bonhage A. Epilepsy surgery in patients with multiple cerebral cavernous malformations. *Seizure*. 2009 May;18(4):241-5. doi: 10.1016/j.seizure.2008.10.006. Epub 2008 Nov 25. PMID: 19036613.
- 37: Rocamora R, Mendivil P, Schulze-Bonhage A. Cavernomas supratentoriales múltiples y cirugía de la epilepsia: caso clínico [Multiple supratentorial cavernomas and epilepsy surgery: case report]. *Neurocirugía (Astur)*. 2008 Jun;19(3):257-63; discussion 263-6. Spanish. PMID: 18654726.
- 38: Rocamora R, Wagner K, Schulze-Bonhage A. Levetiracetam reduces frequency and duration of epileptic activity in patients with refractory primary generalized epilepsy. *Seizure*. 2006 Sep;15(6):428-33. doi: 10.1016/j.seizure.2006.05.012. Epub 2006 Jul 11. PMID: 16837220.

39: Rocamora R, Kurthen M, Lickfett L, Von Oertzen J, Elger CE. Cardiac asystole in epilepsy: clinical and neurophysiologic features. *Epilepsia*. 2003 Feb;44(2):179-85. doi: 10.1046/j.1528-1157.2003.15101.x. PMID: 12558571.