Curriculum Vitae-Dr. Ranulfo Romo

Lugar de nacimiento: Gpe. de Ures, Sonora, México.

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Educación: Doctor en Ciencias (Doctorado de Estado), 1985
Universidad de Paris, Paris, Francia.

Médico Cirujano, 1978
Facultad de Medicina, UNAM
México, D.F., México

Experiencia profesional: Investigador Titular C-TC (1989 a la fecha)
Instituto de Fisiología Celular
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Investigador Asociado al Dr. Vernon B. Mountcastle.
Johns Hopkins University School of Medicine (1987-1989)
Baltimore, E.U.A.

Investigador Ascociado al Dr. Wolfram Schultz.
Institut de Physiologie (1985-1987)
Université de Fribourg
Fribourg, Suiza

Investigador Asociado al Dr. Jacques Golwinski,
Collège de France (1981-1984)
Paris, Francia.

División de Neurofisiolgía asociado al Dr. Marcos Velasco (1978-1981) Departamento de Investigación Científica

Centro Médico Nacional, IMSS.

Distinciones: Premio en Ciencias Básicas 2008, Ciudad Capital-Marcelino Mattioli, Instituto de Ciencia y Tecnología del Distrito Federal.

The Five Senses-Plenary Lecture (Noviembre de 2008). The New York Academy of Sciences, NY.

Library Round-Table Lecture 2008. Institute of Neurosciences. San Diego, CA, E.U.A.

Conferencia Inaugural. L Congreso Nacional de Ciencias Fisiológicas. Sociedad Mexicana de Ciencias Fisiológicas. Puebla, Mexico.

Harman Lecture 2007. Cajal Club Annual Meeting 2007. Qro, México.

Dunwiddie Lecture 2007. Universidad de Colorado, Denver, Colorado.

Premio el Potosí 2006. Instituto Postosino de Ciencia y Tecnología.

International Research Scholars Award. Howard Hughes Medical Institute (2007-2011).

Teuber Lecture 2006. Massachusetts Institute of Technology (MIT). Boston, Mass., E.U.A.

Servier Lecture 2006. Universidad de Montreal. Montreal, Canada.

Winter Cajal Plenary Conference 2006. Benasque, España.

Computational and Systems Neuroscience Lecture 2005. Congreso Anual de la Sociedad Computacional and Systems Neuroscience (COSYNE). Salk Lake City, Utha, E.U.A.

Miembro de la Academia Nacional de Ciencias de los E.U.A. Electo en Mayo de 2005.

Brooks Lecture 2005. Harvard Medical School, Boston, Mass., E.U.A.
Premio Dr. Maximiliano Ruiz Castañeda 2004. Academia Nacional de Medicina, México, D.F., México.

Miembro Asociado al Neuroscience Research Program. The Neurosciences Institute (electo en 2004), San Diego, CA, EUA.

Miembro de la Academia de Ciencias del Tercer Mundo (TWAS). Electo en 2003. Trieste, Italia.

TWAS Prize in Basic Medical Sciences 2002. Third World Academy of Sciences, Trieste, Italia.

International Research Scholar Award of the Howard Hughes Medical Institute (2002-2006).

Premio Dr. Maximiliano Ruiz Castañeda 2002, en Investigación Básica. Academia Nacional de Medicina, México, D.F., México.

Premio Nacional de Ciencias y Artes 2000. México, D.F., México.

Premio Dr. Maximiliano Ruiz Castañeda 2000. Academia Nacional de Medicina, México, D.F., México.

Premio Universidad Nacional 2000, UNAM, México, D.F., México.

Premio Dr. Maximiliano Ruiz Castañeda 1998. Academia Nacional de Medicina, México, D.F., México.

Premio de Investigación Biomédica Jorge Rosenkranz 1997. México, D,F., México.

Premio Dr. Maximiliano Ruiz Castañeda 1997. Academia Nacional de Medicina, México, D.F., México.

Premio Dr. Maximiliano Ruiz Castañeda 1995. Academia Nacional de Medicina, México, D.F., México.

Premio Miguel Alemán Valdés 1994. Fundación Miguel Alemán,A.C., México, D.F., México.

Premio de Ciencia y Tecnología Manuel Noriega Morales 1994, Area de Ciencias Biológicas. Organización de los Estados Americanos (OEA), Washington, D.C., E.U.A.

Distinción Universidad Nacional Autónoma de México a Jóvenes Académicos 1994, Area de Ciencias Naturales. México, D.F., México.

Investigador Nacional Nivel III, Sistema Nacional de Investigadores (1992 - a la fecha).

Becario Guggenheim 1991. NY, EUA.

International Research Scholar Award of the Howard Hughes Medical Institute, 1991-1996, con una prolongación hasta 1999.

Demuth Prize 1990, Swiss Medical Research Foundation, Berna, Suiza.

Servicios:

Editor en Jefe de Frontiers in Systems Neuroscience (Octubre de 2008-a la fecha).

Editor Asociado del European Journal of Neuroscience (2008-a la fecha).

Miembro de la Comisión Dictaminadora del Instituto de Biotecnología de la UNAM (2007-a la fecha).

Editor asociado de la revista Frontiers in Neuroscience (2007-2008).

Presidente de la Comisión de Miembros de The Academy of Sciences for the Developing World, TWAS-Sección Neurociencias (2006-a la fecha)

Asesor Científico de la Fundación Alicia Koplowicks. Madrid, España (2006- a la fecha)

Presidente del Jurado del Premio The Peter Gruber Internacional Award in Neuroscience 2006, 2007 y 2008. Society for Neuroscience, Washington, D.C., E.U.A.

Miembro del Jurado Premio México de Ciencia y Tecnología (2003 y 2006)

Miembro de la Junta de Gobierno de la Universidad de Sonora 2004 a la fecha)

Editor asociado, Journal of Neuroscience (2004-2008).

Miembro del comité editorial de Progress in Neurobiology (2005-)
Miembro of Committee on Committees, Society for Neuroscience (2004-).

Miembro del Nominating Committee, Brain Research Organization (2004-).

Miembro del comité editorial del Journal of Neuroscience (2003-2004)

Miembro del comité editorial del Journal of Cognitive Neuroscience

(2003-).

Miembro del comité editorial de Archives of Medical Research (2002-2006).

Miembro de la Fundación Carolina, España (2001-2003)

Jefe del Dept. de Biofísica del Instituto de Fisiología Celular, UNAM (2001-)

Miembro del Foro Permanente de Ciencia y Tenología (2000-2002).

Miembro del Consejo Consultivo de Ciencias. Presidencia de la República (2000- a la fecha).

Representante Regional de Latinoamérica, IBRO (1999 - a la fecha).

Comisión Dictaminadora del Inst. de Invest. Bioméd. UNAM (1999 -2004)

Miembro del Consejo Universitario, UNAM (1998-1999).

Miembro del Consejo Interno del Instituto de Fisiología Celular, UNAM (1995 -1999).

Miembro del Comité de Evaluación del Area 2. Sistema Nacional de Investigadores(1996-1998).

Revisor de proyectos: Hopkins University, National Science Fundation and The Milleniumn Science Initiative

Revisor ad oc de artículos Nature, Nature Neuroscience, Nature Reviews Neuroscience, Science, Neuron, Journal of Neuroscience, Journal of Neurophysiology, Current Biology, European Journal of Neuroscience, NeuroImage, Journal of Neuroscience Methods, Journal of Computational Neuroscience, Behavioral Brain Sciences, Experimental Brain Research y editor invitado del PNAS.

Sociedades científicas: Sociedad Mexicana de Ciencias Fisiológicas, A.C. ,(1981) México.

Academia Mexicana de Ciencias, A.C. (1991) México.

The Society for Neuroscience (1991), EUA.

Miembro de la Third World Academy of Sciences (electo en 2003), Trieste, Italia.

Miembro Asociado al Neuroscience Research Program. The Neurosciences Institute (electo en 2004), San Diego, CA, EUA.

Miembro de la National Academy of Sciences de los EUA (electo en mayo 3 de 2005). Washington, D.C., E.U.A.

Libros editados:

1) Rudomín, P., Arbib, M.A., Cervantes, F. & Romo, R.
Neuroscience: From Neural Networks to Artificial Intelligence. Springer Verlag, N.Y., 1993.

2) Rudomín, P., Romo, R. & Mendell, L.
Presynaptic Inhibition and Neural Control.
Oxford University Press, N.Y., 1999.

3) Maunsell J. & Romo, R.
Cognitive Neuroscience. Current Opinion in Neurobiology 12, 2002.

4) Romo R. (Chair).
Percept, Decision, Action: Bridging the Gaps.
Novartis Foundation-Wiley, U.K., 2006.

Lista de trabajos científicos:

1. Hernández, A., Nácher, V., Luna, R., Alvarez, M., Zainos, A., Cordero, S., Camarillo, L., Vázquez, Y., Lemus, L. & Romo, R.
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2. Deco, G. & Romo, R. The role of fluctuations in perception.
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3. Deco, G., Pérez-Sanagustín, M., de Lafuente, V. & Romo, R.
Perceptual detection as a dynamical bistability phenomenon: a neurocomputational correlate of sensation.
Proceedings of the National Academy of Sciences USA 104: 20073-20077, 2007.

4. Romo, R., Hernández, A., de Lafuente, V., Zainos, A., Lemus, L., Luna, R., Nácher, V. & Alvarez, M.
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6. Lemus, L., Hernández, A., Luna, R., Zainos, A:, Nácher, V. & Romo, R.
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Neural correlate of subjective sensory experience gradually builds up across cortical areas.
Proceedings of the National Academy of Sciences USA 103: 14266-14271, 2006.

9. de Lafuente & Romo, R.
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10. Luna, R., Hernández, A., Brody, C.D. & Romo, R.
Neural codes for perceptual discrimination in primary somatosensory cortex.
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11. Machens, C.K., Romo, R. & Brody C.D.
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12. Romo, R.
Chair's Introduction:
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13. Romo, R., Hernández, A., Zainos, A., Lemus, L., de Lafuente, V., Luna, R. & Nácher, V.
Decoding the temporal evolution of a simple perceptual act.
In: **Percept, Decision, Action: Bridging the Gaps.**
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14. Romo, R., Hernández, A., Zainos, A., Lemus, L., de Lafuente, V. & Luna, R.
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In: **Neural Plasticity in Adult Somatic Sesnsory-Motor Systems** (ed. Ebner, F.F.)
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MIT Press, Chapt. 15, pp. 197-214, 2004.

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Proceedings of the National Academy of Sciences USA, 97: 6191-6196, 2000.

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In: **Brain Dynamics and the Striatal Complex** (eds. Miller, R. & Wickens, J.)
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Nature 399: 470-473, 1999.

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Journal of Neuroscience 18: 499-511, 1998.

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In: Chemical Signalling in the Basal Ganglia (eds. Arbuthnott, G. & Emson, P.C.)

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(eds. Mano, N., Hamada, I. & DeLong, M.R.), Elsevier, Amsterdam, pp. 89-97, 1993.

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Experimental Brain Research 91: 396-407, 1992.

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Basic Medical Sciences Lecture. Third World Academy of Sciences. Beijing, China, 2003.

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