

Curriculum Vitae

Last name: Sánchez-Ramos

First name: Celia

Nationality/ies: Spanish

Gender: female

Overall Scientific Expertise:

The interaction between Light and the Visual-system is the center of my research. Doctorates in Preventive-Medicine(UCM) and Vision-Sciences(UE) allow the effective exercise of these activities.

My Expertise and experience in health risk assessment started in 1994 with a doctoral thesis about risk by using computer-screens. Currently my research has focused on risk prevention by the use of LED-screens.

Protect the vision of the risks caused by excessive light is the aim of my work, both in research and teaching. Special interest groups are formed by professionals(welders, drivers, office-workers), younger-population and children(study and video games), elder-population and patients with other diseases(diabetes)

Professional Experience

Years employed from – to	Title of position	Employer – name and location	Areas of professional specialisation♣
1986 - present	Professor	Complutense University of Madrid - Spain	assessment of exposure to light visual neurodegeneration visual neuro-protection environmental science (light and natural and artificial sources)

Educational Background

Year	Degree awarded	Educational Institution – name and location	Areas of educational specialisation*
2012	PhD Honoris causa	Universidad Internacional Menéndez Pelayo - Spain	In preventive medicine
2010	PhD	Universidad Europea - Spain	Vision Science
1994	PhD	Universidad Complutense de Madrid-Spain	Preventive medicine and public health
1984	MSc	Universidad Complutense de Madrid-Spain	Pharmacology
1983	Degree	Universidad Complutense de Madrid-Spain	Physics (optics) and optometry

Memberships in Scientific Advisory Bodies/Committees/Panels (if any):

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- Members of committees: AENOR- AEN / CTN 045 "Ophthalmic Optics"; Ministry of Industry Energy and Tourism; Official Evaluation Agency "Lain Entralgo", organizing national and international conferences.

- Members of jury awards: Jaime I; Forum for innovative enterprises; Alberto Elzabura Foundation; Research L'Oreal - Unesco for Women in Science, etc.
- Auditor of different quality assurance systems of teaching: ANECA (audit)
- Perito vision expert for legal proceedings.

Memberships in Learned Societies (if any):

- Member of:
 - Real Sociedad Española de Física – President of specialized in Medical Physics group
 - Pan American Society for Research in Vision
 - Association for Research in Vision and Ophthalmology (ARVO)
 - European Vision and Eye Research (EVER)

Memberships in Editorial Boards (if any):

- Reviewer of European Journal of Ophthalmology
- Reviewer of Journal Spanish Society of Ophthalmology
- Reviewer of Journal Displays

List of Publications:

The total number of publications is 26 peer-reviewed articles; 16 family patents; 38 non-index articles; 9 book chapters; 6 audiovisual publications

1. Autores: Chamorro, E. Bonnin-Arias, C., Pérez-Carrasco, MJ, Muñoz-Luna,J., Vázquez-Moliní, D., **Sánchez-Ramos, C.**
 Título: **Effects Of Light Emitting Diodes Radiations On Human Retinal Pigment Epithelial Cells In Vitro**
 Publicación Científica: Photochemistry and Photobiology 2013, 89: 468–473, DOI: 10.1111/j.1751-1097.2012.01237.x
2. Autores: Eva Chamorro, Sergio Carralero, Cristina Bonnin-Arias, María Jesús Pérez-Carrasco, Javier Muñoz de Luna, Daniel Vázquez Ing, **Celia Sánchez-Ramos,**
 Título: **Photoprotective Effect of Blue Light Absorbing Filter against LED Light Exposure on Human Retinal Pigment Epithelial Cells In Vitro**
 Publicación Científica: Carcinogenesis & Mutagenesis 2013, S6; DOI: 10.4172/2157.S6-008.
3. Autores: E. Viña, V. Parisi, C. **Sánchez-Ramos,** R. Cabo, M.C. Guerrero, L.M. Quirós, A. Germaná, J.A. Vega, O. García-Suárez.
 Título: **Acid-sensing ion channels (ASICs) 2 and 4.2 are expressed in the retina of the adult zebrafish**
 Publicación Científica: Cell Tissue Res, Enero 2015, DOI 10.1007/s00441-014-2084-5
4. Autores: Chamorro E, Bonnin-Arias C, Pérez-Carrasco MJ, Alvarez-Rementería L, Villa-Collar C, Armadá-Maresca F, **Sánchez-Ramos C.**
 Título: **Macular thickness measured by optical coherence tomography in pseudoaphakic eyes with clear vs yellow implant**
 Publicación Científica: Arch Soc Esp Oftalmol, 2014, 89 (4):136-42
5. Autores: **Sánchez-Ramos, C.**, Bonnin-Arias, C., Guerrero, M., Calavia, M.,Chamorro, E., Montalbano, G., Lopez-Velasco, S., López-Muñiz, A., Germaná, A., Vega, J.
 Título: **Light Regulates the Expression of the BDNF/TrkB System in the Adult Zebrafish Retina**
 Publicación Científica: Microscopy Research and Technique 2013, 76:42-49
6. Autores: Langa-Moraga, A., Bonnin-Arias, C., Chamorro, E., Pérez-Carrasco, MJ., **Sánchez-Ramos, C.**
 Título: **New optical filter for use as eye protection by welders. A new protective optical filter plate was designed to improved visibility.**

Publicación Científica: The Welding Journal; Febrero 2013, vol 92; pp 36-s-40-s

7. Autores: **C. Sánchez-Ramos**, M.C. Guerrero, C. Bonnin-Arias, M.G.Calavia, R. Laurá, A.Germaná, J.A. Vega.

Título: **Expression of TRPV4 in the Zebrafish Retina During Development.**

Publicación Científica: Microscopy Research and Technique Journal; Febrero 2012; DOI: 10.1002/jemt.21120

8. Autores: Germaná A, **Sánchez-Ramos C**, Guerra MC, Calavia MG, Navarro M, Zichichi R, García-Suárez O, Pérez-Piñera P, Vega JA.

Título: **Expression and cell localization of brain-derived neurotrophic factor and TrkB during zebrafish retinal development.**

Publicación Científica: Journal of Anatomy; Septiembre 2010; pp. 214-222; ISSN: 0021-8782; ISSN-e: 1469-7580; DOI: 10.1111/J.1469-7580.2010.01268.X

9. Autores: Vicente-Tejedor J, De la Villa P, Marchena M, Sánchez-Jiménez A, García Ortega M, **Sánchez-Ramos C**

Título: **Regulation of the circadian activity by melanopsin cells in ambient light conditions filtered to wavelengths below to 500 nm.**

Publicación Científica: Acta Ophthalmologic; Septiembre 2010; ISSN: 0001-639X; vol.88; DOI: 10.1111/j.1755-3768.2010.496.x

10. Autores: **C. Sánchez Ramos**, J.A. Vega, M.E. del Valle, A Fernández- Balbuena, Bonnin-Arias C, JM Benítez- del Castillo.

Título: **Role of Metalloproteases in Retinal Degeneration Induced by Violet and Blue Light.**

Publicación Científica: Advances in Experimental Medicine and Biology; Enero 2010; N° 664; pp. 159-164; ISSN: 0065-2598; DOI: 10.1007/978-1-4419-1399-9_19

Patents were filed in Spain and extended to other countries (see <https://worldwide.espacenet.com/>)

Priority Date	Country	Application No.	Situation
19/04/2005 Contact lens	España	P200500937	CONCEDIDAS
	EE.UU.	7524060	
	China	20058005001.6	
	Hong Kong	08113092.2	
	Egipto	11212007	
	Euroasiática	200702267	
	OAPI	1200700401	
	Brasil	PI05202299	
10/01/2006 Ophthalmologic lens	España	P200600052	CONCEDIDAS
	EE.UU.	11/651402	
	Euroasiática	2008001699	
	Sudáfrica	200806881	
	OAPI	1200800252	
	India	6229DELNP2	
	Brasil	PI06211801	
22/12/2012 Device and Method of detection and quantification of eye damage	PCT	PCT/ES2013/070476	Solicitada
03/06/2013 Dioptrio to restrict electromagnetic radiation that damage the Visual System (...)	España	U201300500 (Modelo de Utilidad)	CONCEDIDO
	Suiza	0114113 (Patente)	
	Francia	1355732 (Modelo de Utilidad)	
	Italia	2013U000168 (Modelo de Utilidad)	
	Portugal	10925 (Modelo de Utilidad)	
	Alemania	202013102610.7 (Modelo Utilidad)	
	Irlanda	S2014/0139 (Patente)	

29/07/2015 Dioptrio blocker shortwave radiation and a half lengths (...)	Europa	EP15382396.8	Solicitada
28/10/2008 Device and method of diffuse lighting for interior vehicle	España	P200803051	CONCEDIDA
	EE.UU.	13/126641	Publicada
	Europea	09823103.8	Publicada
	Euroasiática	201100655	Solicitada
	China	200980152653.9	Publicada
	Hong Kong	12104736.7	Publicada
27/11/2007 Biometric recognition of people by CORNEA	México	2011004366	CONCEDIDA
	España	P200802215	CONCEDIDA
	EE.UU.	12/811502	Publicada
	Europea	09800082.1	CONCEDIDA
	Japón	2011519197	CONCEDIDA
	Euroasiática	201100209	Solicitada
	Canadá	2731386	Solicitada
	China	200980133221.3	Publicada
	Brasil	PI0911741-5	Solicitada
	Hong Kong	12100080.7	Publicada
	México	2011000802	CONCEDIDA
	Italia	E09800082IT	Solicitada
Holanda	E09800082NL	Solicitada	
27/11/2007 Biometric recognition of people by RETINA	España	P200703141	CONCEDIDA
16/10/2006 Lighting device with therapeutic filter (...)	España	P200602621	CONCEDIDA
	EE.UU.	11/936464	CONCEDIDA
	Euroasiática	200900560	CONCEDIDA
	México	2009003997	CONCEDIDA
	Brasil	PI0621949-7	Publicada
04/12/2006 Eye prevention components for vehicles (...)	España	P200603104	CONCEDIDA
	EE.UU.	11/970157	CONCEDIDA
	Euroasiática	200900788	CONCEDIDA
	Europea	PI0621949-7	Trámite
07/02/2007 Light source with low emission of short wavelengths	España	P200700328	CONCEDIDA
01/06/2007 Prevention elements on transparent surfaces of buildings	España	P200701515	CONCEDIDA
19/07/2007 Safety helmet visor for eye health	España	P200702013	CONCEDIDA
	EE.UU.	12/175539	CONCEDIDA
	Euroasiática	201000237	CONCEDIDA
15/10/2007 Cover material, coating or screening the effects of blue light on eyes	España	P200702695	CONCEDIDA
	EE.UU.	12/738260	CONCEDIDA
	Brasil	PI 0721991-1	Solicitada
26/10/2007 Safety glasses treated surface for occupations and sports	España	P200702837	CONCEDIDA
23/07/2009 Kit and method of pre-mortem detection of Alzheimer's disease (in vitro)	España	P200702695	Trámite
	EE.UU.	12/738260	Publicada
	Brasil	PI 0721991-1	Publicada