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## EDUCATION

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1979-1980 Ophthalmology residency at A. Rothschild Foundation, Paris  
1980-1984 Residency Louis Pasteur University Hospital (Neurology, Neurosurgery, Ophthalmology), Strasbourg  
1980 Medical Degree-Paris University Medical School (Jury congratulations, Thesis medal)  
1981 Oto-Neuro-Ophthalmologic Radiology University Degree  
1984 Ophthalmology Degree – National Board

### Post-doctoral studies

1984-1988 Clinical fellow (Assistant), Department of Ophthalmology, Louis Pasteur University Hospital, Strasbourg  
1984-1988 Chef de Clinique des Universités- - Louis Pasteur University Medical School, Strasbourg  
1986-1987 Research Fellow in Ophthalmology (Pr D.M Albert)- Massachusetts Eye and Ear Infirmary - Harvard Medical School, Boston, USA  
Visiting Scholar in Biology (Pr J.E. Dowling) - The Harvard Biological Laboratories - Department of Cellular and Developmental Biology – Harvard University, Cambridge, Massachusetts, USA

## UNIVERSITY POSITIONS

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1987-1992 Visiting Lecturer in Ophthalmology - Department of Ophthalmology- Harvard Medical School, Boston, Massachusetts, USA  
1988-2002 University Professor of Ophthalmology – Strasbourg University (1st class since 1999)  
1993-1995 Visiting Professor - Department of Ophthalmology and Visual Sciences, University of Wisconsin - Madison – USA  
2001- Honorary Professor - Institute of Ophthalmology - University College London  
2001- Cumberlege Chair: Professor of Biomedical Sciences - Institute of Ophthalmology-University College London  
2002- University Professor of Ophthalmology – Paris (VI) Pierre and Marie Curie University Medical School

## HOSPITAL POSITIONS

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1988-2001 Hospital full time staff, Ophthalmology - Ophthalmological Clinic – Strasbourg University Hospital  
09/2001- Hospital staff, Ophthalmology – Quinze-Vingts National Ophthalmology Hospital, Paris  
Chairman Department of Ophthalmology – Quinze-Vingts National Ophthalmology Hospital, Paris  
Chairman Department of Ophthalmology and Vitreo-retinal Diseases – Ophthalmology Foundation A. de Rothschild

## HOSPITAL AND UNIVERSITY ACTIVITIES

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1988-2002 Director of the Eye Pathology Laboratory -Louis Pasteur University-Strasbourg  
1994-2001 In charge of the Functional Unit "Segment postérieur et Oncologie" Ophthalmological Clinic – Strasbourg University Hospital  
01/2005- Head of the Clinical Investigation Centre – CIC 503 INSERM Quinze-Vingts National Ophthalmology Hospital  
11/2005- Director National Reference Centre for Inherited Retinal Dystrophies/CIC/ Quinze-Vingts National Ophthalmology Hospital

## RESEARCH ACTIVITIES and COORDINATION of EUROPEAN RESEARCH PROGRAMS

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1999-2002 Head of INSERM EMI 99-18 – UPRES EA 24-10: Cellular and Molecular Physiopathology of the retina – Louis Pasteur University, Strasbourg  
2002- Head of UMR INSERM-UPMC 592: Cellular and Molecular Physiopathology of the retina, St-Antoine Hospital, Paris  
2003- Co-founder of European Vision Institute, EEIG  
2004- Scientific Director of the Scientific Interest Group-VISION, Paris  
2005- Coordinator of the Vision Research National Program (Inserm). (Sensory organs since 2007).  
2005-2008 Scientific director of the Vision Institute project – CHNO des Quinze-Vingts  
2006- Director of the “Seeing and Hearing” Institut Carnot (Vision Institute in conjunction with the Department of Neurosciences Chaired by Christine Petit at Institut Pasteur)  
2006- Director of the “Seeing and Hearing” Scientific Cooperation Foundation  
2007-2012 Coordinator of the Foundation Fighting Blindness Paris Research Centre  
2009- Director of the Research Centre Vision Institute, UMR S 968 Inserm/Université Pierre et Marie Curie and UMR 7210 CNRS  
2011- Director of the Laboratory of Excellence "LIFESENSES: senses for a lifetime"

## EUROPEAN RESEARCH PROGRAMS

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2000-2003 Coordinator of the concerted action NeuroPROtection in the RETina/PRORET/FP5 (QLK6-CT-2000-00569)

- 2001-2004 Coordinator of the R&D program PROtection against AGEing in the RETina/PRO-AGE-RET/FP5 (QLK6-CT-2001- 00385)
- 2005-2008 Coordinator of the Integrated project Functional GENOMIC of the RETina-EVI-GENORET, the largest Vision Project ever funded by EU (FP6- 512036)
- 2010-2013 Coordinator of the RdCVF program (orphan drug/rare diseases), (FP7 HEALTH-F2-2010-241683)
- 2010-2014 Deputy Coordinator of the European research network Treatrush (FP7 HEALTH-F2-2010-242013)

### PRIZES and AWARDS

Thesis medal (1980), IPSEN Foundation International Prize (1985), Fondation pour la recherche thérapeutique (1986), Research To Prevent Blindness International Scholar Award (1990), Research Prize of the French Society of Ophthalmology (1990), Prix de parrainage de la Fondation Alsace (1994), Ophthalmologist of the Year 1998 (Abstract Ophthalmology, Paris) (1998), Mérite Typhlophile Gold Medal (fight against blindness) (2001), Fondation Bettencourt Schueller 'Coups d'élan pour la Recherche Française' Prize (2002), Knight of the National Order of Merit (2003), Fondation Fighting Blindness (FFB) Trustee Award (2005), Emilia Valori Grand Prix of the French Academy of Sciences (2005), The Institut de France's Foundation NRJ Grand Prix scientifique (2006), Alcon Research Institute Alumni Award for Excellence in Vision Research (2006), The Altran Foundation Innovation Award (2007), Quebec Vision Research Network's Prize (Canada) (2007), Gold Medal of the University Pierre et Marie Curie (2008), Knight of the Legion of Honor (2008). Elected to the European Academy of Ophthalmology (2006), the Academia Ophthalmologica Internationalis (2007), Member of the Academy of Sciences-Institut de France, Human Biology and Medicine Section (2007), Honoris Causa Doctorate from the University of Geneva (2010), Coscas Medal, Retina 2012, Rome (2012), Jules Gonin lecture, Prize of the of the Retina Research Foundation, Reykjavik (2012), CNRS Medal of Innovation (2012)

**More than 250 invited lectures, including the Wilmer lecture (Johns Hopkins, 2003), The Leopold lecture (Irvine, Ca, 2007), The Euretina lecture (Vienna, 2008), ARVO (and pre-ARVO) symposia, the Leopoldina Academy (2009), College de France, Pasteur Institute, Hadassah University, the German, French, Israeli societies for Neuroscience, NIHR (UK), ISOPT, ISOCB, ISER, ESF, Jules Gonin lecture of the Retina Research Foundation, Reykjavik (2012), ...**

### SCIENTIFIC ADVISORY BOARD

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- 1999-2003 Vice-Chairman of the Neuroscience Commission – CSS4 Inserm
- 2000- Member of the Scientific Advisory Board Foundation Fighting Blindness – (FFB)
- 2002- Member of the Scientific Advisory Board Neurotech
- 2002- Member of the Scientific Advisory Board - Fédération des Aveugles et handicapés Visuels de France (FAF)
- 2003- Member of the Steering Committee - European Vision Institute (EVI EEIG)
- 2004- Member of the Steering Committee - European Vision Institute- Clinical Trials – Sites of excellence (EVI-CT-SE)
- 2003-2007 Member of the Scientific Advisory Board AP-HP
- 2003-2007 Member of the Scientific Advisory Board - Génopoles
- 2004-2007 Member of the Scientific Advisory Board - AGF Athena
- 2004- Ad hoc Consultant by Alcon, Sanofi, Novartis, Pfizer
- 2005- Chairman of the Scientific Advisory Board - Fovea pharmaceuticals
- 2006- Chairman of the Scientific Advisory Board - Genesignal
- 2007-2008 Member of the Scientific Advisory Board - Bourse Lavoisier
- 2007- Responsable Thématique Neurosciences- Pôle de compétitivité Medicen
- 2007- Member of the Scientific Advisory Board ERAB Allergan
- 2007- Chairman of the Scientific Advisory Board - Fédération des Aveugles et Handicapés Visuels de France (FAF)
- 2007- Member of the recruitment committee (Commission des effectifs de la) faculté de Médecine Pierre et Marie Curie
- 2007- Member of Scientific Advisory Board - Faculté de Médecine Pierre et Marie Curie University
- 2007- Coordinator Expert Committee « Retina » and Scientific Section « Retina » - EVI-CT-SE
- 2008-2011 Member of the Scientific Advisory Board, Alcon Research Institute
- 2008- Member of the Scientific Advisory Board Euretina
- 2008- Honorary Member of the Deutsche Ophthalmologische Gesellschaft (DOG)
- 2008- Member of the Scientific Advisory Board - Ville de Paris
- 2009- Member the Scientific Advisory Board - Optic 2000 Foundation
- 2009- Member of the Scientific Advisory Board - E-Sidor
- 2009- Member of the Scientific Advisory Board - Cellectis
- 2009- Member of the Scientific and Medical Advisory Board - Mutualité Française
- 2010- Member of the Scientific Committee of the Faculté de Médecine Pierre et Marie Curie
- 2010- Member of the Scientific Committee – Fondation pour la Recherche Médicale
- 2010- Member of the Scientific Committee – ARIIS (Alliance pour la Recherche et l'Innovation des Industries de Santé)
- 2010 Chairman of the Scientific Advisory Board – Ophthalmia
- 2010- Member of the Scientific Committee – L'Association Française de l'Eclairage (AFE)

### ORGANIZATION OF INTERNATIONAL CONFERENCES

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- April 2002 Consensus Conference (Foundation Fighting Blindness, Inserm, AFM) “Clinical Trials Orphan Retinal Degenerations”, Paris, France
- April 2005 “Ophthalmic Pan-European Clinical Trials and the Impact of EU Directive” Royal Society of Medicine, London, UK
- July 2007 “Hearing and seeing: Fighting sensory disabilities” Collège de France, Paris, France
- January 2008 2nd European eAccessibility Forum “Accessible e-books: an opportunity for the disabled”, Paris, France
- December 2008 Fondation Singer-Polignac/“Seeing and Hearing” Foundation/Institute of Ophthalmology UCL/Institut de la Vision Symposium “Fighting blinding diseases: towards a joint endeavour” Paris, France
- November 2009 ESF-UB Conference in Biomedicine in association with Eurovisionnet and Fondation Voir et Entendre “Rare Diseases II: Hearing and sight loss”, Sant Feliu de Guixols, Spain

## JOURNAL EDITORIAL BOARDS

The Journal of Clinical Investigation  
 Science Translational Medicine  
 Progress in Retinal and Eye Research  
 Journal Français d'Ophtalmologie  
 Orphanet Journal of Rare Diseases  
 Survey of Ophthalmology  
 Archives of Ophthalmology  
 Journal of Ocular Biology, Diseases, and Informatics  
 Chinese Journal of Clinicians  
 Intractable & Rare Diseases Research (Co-Editor-in Chief)  
 Translational Vision Science and Technology

## PUBLICATIONS, REVIEWS, EDITORIALS, BOOKS

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### PUBLICATIONS

#### 2012

Cipriani V, Leung HT, Plagnol V, Bunce C, Khan JC, Shahid H, Moore AT, Harding SP, Bishop PN, Hayward C, Campbell S, Armbrrecht AM, Dhillon B, Deary IJ, Campbell H, Dunlop M, Dominiczak AF, Mann SS, Jenkins SA, Webster AR, Bird AC, Lathrop M, Zelenika D, Souied EH, **Sahel JA**, Léveillard T; French AMD Investigators, Cree AJ, Gibson J, Ennis S, Lotery AJ, Wright AF, Clayton DG, Yates JR. Genome-wide association study of age-related macular degeneration identifies associated variants in the TNXB-FKBPL-NOTCH4 region of chromosome 6p21.3. *Hum Mol Genet.* 2012 Jun 13. [Epub ahead of print]

Lelievre EC, Benayoun BA, Mahieu L, Roger JE, **Sahel JA**, Sennlaub F, Veitia RA, Goureau O, Guillonnet X. A Regulatory Domain Is Required for Foxn4 Activity During Retinogenesis. *J Mol Neurosci.* 2012 Feb;46(2):315-23.

Denoyer A, Godefroy D, Célérier I, Frugier J, Degardin J, Harrison JK, Brignole-Baudouin F, Picaud S, Baleux F, **Sahel JA**, Rostène W, Baudouin C. CXCR3 Antagonism of SDF-1(5-67) Restores Trabecular Function and Prevents Retinal Neurodegeneration in a Rat Model of Ocular Hypertension. *PLoS One.* 2012;7(6):e37873.

Azar G, Wolff B, Cornut PL, **Sahel JA**, Mauguet-Fajÿsse M. Spectral domain optical coherence tomography evolutive features in acute macular neuroretinopathy. *Eur J Ophthalmol.* 2012 May 14. [Epub ahead of print]

Auvray P, Rousseau L, Lissorgues G, Soulier F, Potin O, Bernard S, Dieuleveult F, Scorsone E, Bergonzo P, Chicaud L, Picaud S, **Sahel JA**. A passive pressure sensor for continuously measuring the intraocular pressure in glaucomatous patients, *Irbm* 2012, 33:117-22.

Gaucher D, Arnault E, Husson Z, Froger N, Dubus E, Gondouin P, Dherbécourt D, Degardin J, Simonutti M, Fouquet S, Benahmed MA, Elbayed K, Namer IJ, Massin P, **Sahel JA**, Picaud S. Taurine deficiency damages retinal neurones: cone photoreceptors and retinal ganglion cells. *Amino Acids.* 2012 Apr 4. [Epub ahead of print]

Perez Fornos A, Sommerhalder JR, Da Cruz L, **Sahel JA**, Mohand-Said S, Hafezi F, Pelizzone M. Temporal properties of visual perception upon electrical stimulation of the retina. *Invest Ophthalmol Vis Sci.* 2012 Mar 23. [Epub ahead of print]

Jaillard C, Mouret A, Niepon ML, Clérin E, Yang Y, Lee-Rivera I, Ait-Ali N, Millet-Puel G, Cronin T, Sedmak T, Raffelsberger W, Kinzel B, Trembleau A, Poch O, Bennett J, Wolfrum U, Lledo PM, **Sahel JA**, Léveillard T. Nxn12 splicing results in dual functions in neuronal cell survival and maintenance of cell integrity. *Hum Mol Genet*. 2012 Feb 27. [Epub ahead of print]

Audo I, Bujakowska K, Orhan E, Poloschek CM, Defoort-Dhellemmes S, Drumare I, Kohl S, Luu TD, Lecompte O, Zrenner E, Lancelot ME, Antonio A, Germain A, Michiels C, Audier C, Letexier M, Saraiva JP, Leroy BP, Munier FL, Mohand-Saïd S, Lorenz B, Friedburg C, Preising M, Kellner U, Renner AB, Moskova-Doumanova V, Berger W, Wissinger B, Hamel CP, Schorderet DF, De Baere E, Sharon D, Banin E, Jacobson SG, Bonneau D, Zanlonghi X, Le Meur G, Casteels I, Koenekoop R, Long VW, Meire F, Prescott K, de Ravel T, Simmons I, Nguyen H, Dollfus H, Poch O, Léveillard T, Nguyen-Ba-Charvet K, **Sahel JA**, Bhattacharya SS, Zeitz C. Whole-Exome Sequencing Identifies Mutations in GPR179 Leading to Autosomal-Recessive Complete Congenital Stationary Night Blindness. *Am J Hum Genet*. 2012 Feb 10;90(2):321-30.

Audo I, Bujakowska KM, Leveillard T, Mohand-Saïd S, Lancelot ME, Germain A, Antonio A, Michiels C, Saraiva JP, Letexier M, **Sahel JA**, Bhattacharya SS, Zeitz C. Development and application of a next-generation-sequencing (NGS) approach to detect known and novel gene defects underlying retinal diseases. *Orphanet J Rare Dis*. 2012 Jan 25;7(1):8.

Busskamp V, Picaud S, **Sahel JA**, Roska B. Optogenetic therapy for retinitis pigmentosa. *Gene Ther*. 2012 Feb;19(2):169-75.

Humayun MS, Dorn JD, da Cruz L, Dagnelie G, **Sahel JA**, Stanga PE, Cideciyan AV, Duncan JL, Elliott D, Filley E, Ho AC, Santos A, Safran AB, Arditi A, Del Priore LV, Greenberg RJ. Interim Results from the International Trial of Second Sight's Visual Prosthesis. *Ophthalmology*. 2012 119:779-88.

## 2011

Clerin E, Wicker N, Mohand-Saïd S, Poch O, **Sahel JA**, Léveillard T. e-conome: an automated tissue counting platform of cone photoreceptors for rodent models of retinitis pigmentosa. *BMC Ophthalmol*. 2011 Dec 20;11(1):38. [Epub ahead of print]

Delyfer MN, Raffelsberger W, Mercier D, Korobelnik JF, Gaudric A, Charteris DG, Tadayoni R, Metge F, Caputo G, Barale PO, Ripp R, Muller JD, Poch O, **Sahel JA**, Léveillard T. Transcriptomic analysis of human retinal detachment reveals both inflammatory response and photoreceptor death. *PLoS One*. 2011;6(12):e28791.

Bouaita A, Augustin S, Lechaue C, Cwerman-Thibault H, Bénit P, Simonutti M, Paques M, Rustin P, **Sahel JA**, Corral-Debrinski M. Downregulation of apoptosis-inducing factor in Harlequin mice induces progressive and severe optic atrophy which is durably prevented by AAV2-AIF1 gene therapy. *Brain*. 2011 Nov 26. [Epub ahead of print]

Bujakowska K, Audo I, Mohand-Saïd S, Lancelot ME, Antonio A, Germain A, Léveillard T, Letexier M, Saraiva JP, Lonjou C, Carpentier W, **Sahel JA**, Bhattacharya SS, Zeitz C. CRB1 mutations in inherited retinal dystrophies. *Hum Mutat*. 2011 Nov 7. doi: 10.1002/humu.21653. [Epub ahead of print]

Audo I, Mohand-Saïd S, Dhaenens CM, Germain A, Orhan E, Antonio A, Hamel C, **Sahel JA**, Bhattacharya SS, Zeitz C. RP1 and autosomal dominant rod-cone dystrophy: novel mutations, a review of published variants, and genotype-phenotype correlation. *Hum Mutat*. 2011 Nov 2. doi: 10.1002/humu.21640. [Epub ahead of print]

Wersinger E, Bordais A, Schwab Y, Sene A, Bénard R, Alunni V, **Sahel JA**, Rendon A, Roux MJ. Re-Evaluation of Dystrophins Localization in the Mouse Retina. *Invest Ophthalmol Vis Sci*. 2011 Sep 6.

Akesbi J, Adam R, Rodallec T, Barale PO, Ayello-Scheer S, Labbé A, Laroche L, **Sahel JA**, Nordmann JP. [Intraocular foreign bodies (IOFB) of the posterior segment: Retrospective analysis and management of 57 cases.] *Fr Ophthalmol*. 2011 Sep 2.

Galy A, Schenck A, Sahin HB, Qurashi A, **Sahel JA**, Diebold C, Giangrande A. CYFIP dependent Actin Remodeling controls specific aspects of Drosophila eye morphogenesis. *Dev Biol*. 2011 Aug 22.

Lelièvre EC, Lek M, Boije H, Houille-Vernes L, Brajeul V, Slembrouck A, Roger JE, **Sahel J**, Matter JM, Sennlaub F, Hallböök F, Goureau O, Guillonnet X. Ptf1a/Rbpj complex inhibits ganglion cell fate and drives the specification of all horizontal cell subtypes in the chick retina. *Dev Biol*. 2011 Jul 31. [Epub ahead of print]

Cohen SY, Bourgeois H, Corbe C, Chaîne G, Espinasse-Berrod MA, Garcia-Sanchez J, Gaudric A, Hullo A, Leys A, Soubrane G, **Sahel JA**. RANDOMIZED CLINICAL TRIAL FRANCE DMLA2: Effect of Trimetazidine on Exudative and Nonexudative Age-Related Macular Degeneration. *Retina*. 2011 Aug 4. [Epub ahead of print]

Tick S, Rossant F, Ghorbel I, Gaudric A, **Sahel JA**, Chaumet-Riffaud P, Paques M. Foveal shape and structure in a normal population. *Invest Ophthalmol Vis Sci*. 2011 Jul 29;52(8):5105-10.

Audo I, Bujakowska K, Mohand-Saïd S, Tronche S, Lancelot ME, Antonio A, Germain A, Lonjou C, Carpentier W, **Sahel JA**, Bhattacharya S, Zeitz C. A novel DFNB31 mutation associated with Usher type 2 syndrome showing variable degrees of auditory loss in a consanguineous Portuguese family. *Mol Vis*. 2011;17:1598-606.

E Zerbib J, Puche N, Richard F, Leveziel N, Cohen SY, Korobelnik JF, **Sahel J**, Munnich A, Kaplan J, Rozet JM, Souied EH. No association between the T280M polymorphism of the CX3CR1 gene and exudative AMD. *Exp Eye Res*. 2011 Oct;93(4):382-6.

rrera MH, Goldschmidt P, Batellier L, Degorge S, Héron E, Laroche L, **Sahel JA**, Westcott M, Chaumeil C. Real-time polymerase chain reaction and intraocular antibody production for the diagnosis of viral versus toxoplasmic infectious posterior uveitis. *Graefes Arch Clin Exp Ophthalmol*. 2011 Jul 6. [Epub ahead of print]

Basdekidou C, Wolff B, Vasseur V, Mer YL, **Sahel JA**. Flat choroidal nevus inaccessible to ultrasound sonography evaluated by enhanced depth imaging optical coherence tomography. *Case Report Ophthalmol*. 2011 May;2(2):185-8.

Lelièvre EC, Benayoun BA, Mahieu L, Roger JE, **Sahel JA**, Sennlaub F, Veitia RA, Goureau O, Guillonnet X. A Regulatory Domain Is Required for Foxn4 Activity During Retinogenesis. *J Mol Neurosci*. 2011 Jun 24. [Epub ahead of print]

Sandali O, Barale PO, Bui Quoc E, Belghiti A, Borderie V, Laroche L, **Sahel JA**, Monin C. [Long-term results of the treatment of optic disc pit associated with serous macular detachment: A review of 20 cases.] *J Fr Ophthalmol*. 2011 Jun 6. [Epub ahead of print]

Wolff B, Maftouhi MQ, Mateo-Montoya A, **Sahel JA**, Mauget-Faÿsse M. Outer retinal cysts in age-related macular degeneration. *Acta Ophthalmol*. 2011 Jun 1. [Epub ahead of print]

**Sahel JA**. Quality versus quantity: assessing individual research performance. *Sci Transl Med*. 2011 May 25;3(84):84cm13.

**Sahel JA**. Spotlight on childhood blindness. *J Clin Invest*. 2011 Jun 1;121(6):2145-9.

Bonnet C, Grati M, Marlin S, Levilliers J, Hardelin JP, Parodi M, Niasme-Grare M, Zelenika D, Délépine M, Feldmann D, Jonard L, El-Amraoui A, Weil D, Delobel B, Vincent C, Dollfus H, Eliot MM, David A, Calais C, Vigneron J, Montaut-Verient B, Bonneau D, Dubin J, Thauvin C, Duvillard A, Francannet C, Mom T, Lacombe D, Duriez F, Drouin-Garraud V, Thuillier-Obstoy MF, Sigaudy S, Frances AM, Collignon P, Challe G, Couderc R, Lathrop M, **Sahel JA**, Weissenbach J, Petit C, Denoyelle F. Complete exon sequencing of all known Usher syndrome genes greatly improves molecular diagnosis. *Orphanet J Rare Dis*. 2011 May 11;6:21.

Liang F, Barale PO, Hoang Xuan K, Paques M, **Sahel JA**. Subretinal lymphomatous infiltration in primary intraocular lymphoma revealed by optical coherence tomography. *Graefes Arch Clin Exp Ophthalmol*. 2011 Apr 21. [Epub ahead of print]

Schweitzer C, Bonnel S, Le Mer Y, Wolff B, Colin J, **Sahel JA**. [Surgical management of sub-retinal haemorrhage secondary to polypoidal choroidal vasculopathy.] *J Fr Ophthalmol*. 2011 Apr 18. [Epub ahead of print]

Perol J, Wolff B, **Sahel JA**, Le Mer Y. [Intravitreal bevacizumab treatment for choroidal neovascularization in Best's disease.] *J Fr Ophthalmol*. 2011 May;34(5):281-6.

Audo I, Lancelot ME, Mohand-Saïd S, Antonio A, Germain A, **Sahel JA**, Bhattacharya SS, Zeitz C. Novel C2orf71 mutations account for ~1% of cases in a large French arRP cohort. *Hum Mutat*. 2011 Apr;32(4):E2091-103.

Sarda V, Nakashima K, Wolff B, **Sahel JA**, Paques M. Topography of patchy retinal whitening during acute perfused retinal vein occlusion by optical coherence tomography and adaptive optics fundus imaging. *Eur J Ophthalmol*. 2011 Feb 23. [Epub ahead of print]

Audo I, El Sanharawi M, Vignal-Clermont C, Villa A, Morin A, Conrath J, Fompeydie D, **Sahel JA**, Gocho-Nakashima K, Goureau O, Paques M. Foveal Damage in Habitual Poppers Users. *Arch Ophthalmol*. 2011 Jun;129(6):703-8.

Borsali E, Goldschmidt P, Mann F, Sterkers M, Le Bouter A, Ailem N, Legrand P, Gaujoux T, Batellier L, Sullam-Rea ML, Bouaziz T, **Sahel JA**, Chaumeil C. [Fusobacterium nucleatum isolated from a patient presenting lachrymal canaliculitis.] *J Fr Ophthalmol*. 2011 Mar;34(3):188.e1-4.

Fradot M, Picaud S, Fradot V, Léveillard T, **Sahel JA**, Roska B, Busskamp V, Cronin T, Bennett J. Gene therapy in ophthalmology: validation on cultured retinal cells and explants from post-mortem human eyes. *Hum Gene Ther*. 2011 May;22(5):587-93.

Deniz S, Wersinger E, Schwab Y, Mura C, Erdelyi F, Szabó G, Rendon A, **Sahel JA**, Picaud S, Roux MJ. Mammalian retinal horizontal cells are unconventional GABAergic neurons. *J Neurochem*. 2011 Feb;116(3):350-362.

## 2010

Rosolen SG, Lamory B, Harms F, **Sahel JA**, Picaud S, LeGargasson JF. Cellular-resolution in vivo imaging of the feline retina using adaptive optics: preliminary results. *Vet Ophthalmol*. 2010 Nov;13(6):369-76.

Vignal-Clermont C, Audo I, **Sahel JA**, Paques M. Poppers-associated retinal toxicity. *N Engl J Med*. 2010 Oct 14;363(16):1583-5.

Yang Y, Mohand-Said S, Léveillard T, Fontaine V, Simonutti M, **Sahel JA**. Transplantation of photoreceptor and total neural retina preserves cone function in P23H rhodopsin transgenic rat. *PLoS One*. 2010 Oct 19;5(10):e13469.

Lambard S, Reichman S, Berlinicke C, Niepon ML, Goureau O, **Sahel JA**, Léveillard T, Zack DJ. Expression of Rod-Derived Cone Viability Factor: Dual Role of CRX in Regulating Promoter Activity and Cell-Type Specificity. *PLoS One*. 2010 Oct 7;5(10). pii: e13075.

Audo I, Bujakowska K, Mohand-Said S, Lancelot ME, Moskova-Doumanova V, Waseem NH, Antonio A, **Sahel JA**, Bhattacharya SS, Zeitz C. Prevalence and novelty of PRPF31 mutations in French autosomal dominant rod-cone dystrophy patients and a review of published reports. *BMC Med Genet*. 2010 Oct 12;11(1):145.

Faure C, Macrez R, Vivien D, **Sahel JA**, Bonnel S. Interaction study between rtPA and bevacizumab. *Br J Ophthalmol*. 2010 Sep 23.

Boni S, Barale PO, Gendron G, Poisson F, Scheer S, **Sahel JA**. [Surgery of the idiopathic epimacular membrane on transconjunctival 25-gauge vitrectomy (TSV): A series of 50 cases.] *J Fr Ophthalmol*. 2010 Sep 20.

**Sahel J**, Bonnel S, Mrejen S, Paques M. Retinitis pigmentosa and other dystrophies. *Dev Ophthalmol*. 2010;47:160-7.

Audo I, Friedrich A, Mohand-Said S, Lancelot ME, Antonio A, Moskova-Doumanova V, Poch O, Bhattacharya S, **Sahel JA**, Zeitz C. An unusual retinal phenotype associated with a novel mutation in RHO. *Arch Ophthalmol*. 2010 Aug;128(8):1036-45.

Zerbib J, Richard F, Puche N, Leveziel N, Cohen SY, Korobelnik JF, **Sahel J**, Munnich A, Kaplan J, Rozet JM, Souied EH. R102G polymorphism of the C3 gene associated with exudative age-related macular degeneration in a French population. *Mol Vis*. 2010 Jul 15;16:1324-30.

Paques M, Simonutti M, Augustin S, Goupille O, El Mathari B, **Sahel JA**. In vivo observation of the locomotion of microglial cells in the retina. *Glia*. 2010 Nov 1;58(14):1663-8.

Busskamp V, Duebel J, Balya D, Fradot M, Viney TJ, Siebert S, Groner AC, Cabuy E, Forster V, Seeliger M, Biel M, Humphries P, Paques M, Mohand-Said S, Trono D, Deisseroth K, **Sahel JA**, Picaud S, Roska B. Genetic Reactivation of Cone Photoreceptors Restores Visual Responses in Retinitis pigmentosa. *Science*. 2010 329(5990):413-7. Epub 2010 Jun 24.

Cwerman-Thibault H, **Sahel JA**, Corral-Debrinski M. Mitochondrial medicine: to a new era of gene therapy for mitochondrial DNA mutations. *J Inherit Metab Dis*. 2010 Jun 23. [Epub ahead of print]

- Simonutti M, Paques M, **Sahel JA**, Gross M, Samson B, Magnain C, Atlan M. Holographic laser Doppler ophthalmoscopy. *Opt Lett*. 2010 Jun 15;35(12):1941-3.
- Gaujoux T, Borsali E, Goldschmidt P, Chaumeil C, Baudouin C, Nordmann JP, **Sahel JA**, Laroche L, Borderie VM. Fungal keratitis in France. *Acta Ophthalmol*. 2010 Jun 1. [Epub ahead of print]
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