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Date de naissance: 1955/07/12 Tlemcen (Algeria)
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Études et diplômes

1980 Docteur en médecine
1980-1984 Ancien Interne des Hôpitaux de Strasbourg
1984-1986 Chef de Clinique des Hôpitaux universitaires de Strasbourg

Carrière universitaire

1987-1992 Visiting Lecturer in Ophthalmology - Department of Ophthalmology- Harvard Medical School, Boston, Massachusetts, USA
1988-2002 Professeur d'ophtalmologie - Université Louis Pasteur de Strasbourg
1993-1995 Visiting Professor - Département d'ophtalmologie et de sciences de la vision - Université du Wisconsin - Madison (États-Unis)
2001 Honorary Professor - Institute of Ophthalmology - University College London
2001- Cumberlege Chair: Professor of Biomedical Sciences - Institute of Ophthalmology-University College London
2002- Professeur d'ophtalmologie - Université Pierre et Marie Curie à Paris
2012-2015 Visiting Professor: Hebrew University of Jerusalem, Israel

Carrière hospitalière

1988-2001 Praticien hospitalier - Clinique ophtalmologique - CHU de Strasbourg
09/2001- Praticien hospitalier en ophtalmologie- CHNO des Quinze-Vingts à Paris
Chef de service d'ophtalmologie - Centre hospitalier national d'ophtalmologie des Quinze-Vingts, à Paris
12/2001 Chef du service d'ophtalmologie et de pathologie vitréo-rétinienne - Fondation ophtalmologique A. de Rothschild

Activités hospitalo-universitaires

1988-2002 Directeur du laboratoire de pathologie oculaire - Université Louis Pasteur à Strasbourg
1994-2001 Responsable de l'unité fonctionnelle « Segment postérieur et oncologie » - Clinique ophtalmologique - CHU de Strasbourg
01/2005- Coordinateur du Centre d'Investigation Clinique 503 Inserm - CHNO des Quinze-Vingts à Paris
11/2005- Directeur du Centre de référence Maladies rares «Dystrophies rétiniennes héréditaires», CHNO des Quinze-Vingts

Activités de recherche et coordination de programmes de recherche

1992-1998 Directeur du Laboratoire de physiopathologie cellulaire et moléculaire de la Rétine, ULP
1999-2002 Directeur de l'EPI 9918 Inserm-Université Louis Pasteur « Physiopathologie cellulaire et moléculaire de la rétine », à Strasbourg.
2002- Directeur de l'UMR Inserm-UPMC 592 « Physiopathologie cellulaire et moléculaire de la rétine », Hôpital Saint-Antoine, Paris
2003- Co-fondateur de l'Institut européen de la vision (EEIG)
2004- Directeur scientifique du GIS-VISION
2005-2007 Coordonnateur du Programme national de recherche sur la vision (Organes sensoriels depuis 2007) (Inserm)
2005- Directeur Scientifique de l'Institut de la vision
2006- Directeur de l'Institut Carnot «Voir et Entendre»
2007- Directeur de la Fondation de coopération scientifique RTRS « Voir et Entendre »
2008-2012 Coordinateur du Foundation Fighting Blindness Paris Research Center
2011- Directeur, Laboratoire d'Excellence LIFESENSES (Des Sens pour la Vie)
2014- Coordinateur du Projet HELMHOLTZ (European Research Council Synergy Grant)

Programmes de recherche européens

2000-2003 Coordonnateur de l'action concertée Neuroprotection in the retina (**PRORET-FP5**)

(QLK6-CT-2000-00569)

2001-2004 Coordonnateur du programme de R&D Protection against ageing in the retina (**PRO-AGE-RET-FP5**) (QLK6-CT- 2001- 00385)

2005-2009 Coordonnateur du programme intégré PCRD-6 Functional Genomics of the Retina (**EVI-GENORET-FP6**) (FP6- 512036)

2010-2013 Coordonnateur du programme **RdCVF-FP7** (FP7 HEALTH-F2-2010-241683)

2010-2014 Vice-Coordonnateur du programme **Treatrush** (FP7 HEALTH-F2-2010-242013)

Prix et distinctions

Médaille de thèse (1980), Prix IPSEN de la recherche, Fondation IPSEN (1985); Prix de la Fondation de la recherche thérapeutique (1986); Research to Prevent Blindness International Scholar Award (1990); Prix de la recherche, Société française d'ophtalmologie (1990); Prix de parrainage, Fondation Alsace (1994); Médaille d'Or du Mérite Typhlophile, Paris (2001); Chevalier de l'Ordre national du mérite (2002); Prix Coup d'élan de la Fondation Schuller-Bettencourt (2002); Trustee Award (avec Thierry Lévillard), Fondation Fighting Blindness, États-Unis (2005); Prix Emilia Valori, Académie des sciences (2005); Membre de l'Académie européenne d'Ophtalmologie (2006); Grand Prix scientifique de la Fondation NRJ, Institut de France (2006); Alcon Research Institute Alumni Award for Excellence in Vision Research (2006); Membre de l'Academia Ophthalmologia Internationalis (2007); Prix des Bâtisseurs, Réseau de Recherche en Santé de la Vision, Québec (2007); Prix Altran pour l'innovation, Fondation Altran (2007); Médaille d'or, Université Pierre et Marie Curie (2008); Chevalier de la Légion d'Honneur (2008); Membre de l'Académie des Sciences, Institut de France (2007); Membre d'honneur DOG (2008), Doctorat Honoris Causa, Université de Genève (2010), Coscas Medal, Retina 2012, Rome (2012), Lecture Jules Gonin, Prix de la Retina Research Foundation, Reykjavik (2012), Médaille de l'innovation du CNRS (2012), Officier de l'Ordre National du Mérite (2012), ARVO Fellow (2013), Prix La Recherche (2013), Prix Retina International (2014), Prix Inter-Optique (2014), Prix Chaptal de l'Industrie (2014), Membre Académie Nationale des Sciences d'Allemagne Leopoldina (2014), Foundation Fighting Blindness (FFB) Llura Liggett Gund Award (2015), Prix Opecst-Inserm (2015), Prix Alfred Monnier (2015)

Plus de 300 conférences sur invitation, notamment : la 'Wilmer lecture' (Johns Hopkins, 2003), la 'Leopold lecture' (Irvine, Ca, 2007), la 'Euretina lecture' (Vienna, 2008), au ARVO (et pre-ARVO) symposia, à la Leopoldina Academy (2009), au Collège de France, à l'Institut Pasteur, à l'Université Hadassah, devant les Sociétés Allemande, Française, Israélienne de Neurosciences, à l'ISOPT, l'ISOCB, l'ISER, l'ESF, Lecture Jules Gonin of the Retina Research Foundation, Reykjavik (2012), Brain Prize meetings lectures, 2012, 2014, Royal Academy of Sweden, Stockholm, 2013, Lasker-IRRP Initiative, HHMI, 2014, FENS, 2014, Stanford University, 2015, From Neural Circuitry to Neurotechnology (AAAS, Ryken Institute, Tokyo, 2015), Keynote XVII th International Meeting on Retinal Degeneration, Kyoto, Japan,...

...

Conseils scientifiques

1999-2003 Vice-président du CSS4 Neurosciences Inserm
2000- Membre du Scientific Advisory Board FFB
2002- Membre du Conseil Scientifique de Neurotech
2002-2007 Membre du Conseil Scientifique de la Fédération des Aveugles et handicapés Visuels de France (FAF)
2003- Membre du Steering Committee de l'European Vision Institute (EVI EEIG)
2004- Membre du Steering Committee d' European Vision Institute- Clinical Trials – Sites of excellence (EVI-CT-SE)
2003-2007 Membre du Conseil Scientifique de l'AP-HP
2003-2007 Membre du Conseil Scientifique des Génomopoles
2004-2007 Membre du Conseil Scientifique d'AGF Athena
2004- Consultant Ad hoc pour Alcon, Sanofi, Novartis, Pfizer, ...
2005- Président du Conseil Scientifique de Fovea pharmaceuticals
2006- Président du Conseil Scientifique de Genesignal
2007-2008 Membre du Conseil Scientifique de la Bourse Lavoisier
2007- Responsable Thématique Neurosciences- Pôle de compétitivité Medicen
2007- Membre du Conseil Scientifique ERAB Allergan
2007- Président du Conseil Scientifique de la Fédération des Aveugles et Handicapés Visuels de France (FAF)
2007- Membre de la Commission des effectifs de la faculté de Médecine Pierre et Marie Curie
2007- Membre du Conseil Scientifique de la faculté de Médecine Pierre et Marie Curie
2007- Coordinateur de l'Expert Committee « Retina » et de la section Scientifique « Retina » au sein d'EVI-CT-SE
2008-2011 Membre du Scientific Advisory Board, Alcon Research Institute

- 2008- Membre de la Société Allemande d’Ophtalmologie (Deutsche Ophthalmologische Gesellschaft) à titre honorifique
- 2008- Membre du Scientific Advisory Board Euretina
- 2008- Membre du Conseil Scientifique de la Ville de Paris
- 2009- Membre du Conseil Scientifique d’E-Sidor
- 2009- Membre du Conseil Scientifique et médical de la Fondation Optic 2000
- 2009- Membre du Conseil Scientifique et Médical de la Mutualité Française
- 2009- Membre du Conseil Scientifique de Cellectis S.A.
- 2010- Membre du Conseil Scientifique de la Fondation pour la Recherche Médicale
- 2010- Membre du Conseil Scientifique de la Faculté de Médecine Pierre et Marie Curie
- 2010- Membre du Conseil Scientifique de l’ARIIS (Alliance pour la Recherche et l’Innovation des Industries de Santé)
- 2010- Président du Conseil Scientifique d’Ophthalmia
- 2010- Membre du Conseil Scientifique de L’Association Française de l’Eclairage (AFE)
- 2012- Membre du groupe d’experts "Système régional et national de transfert et d’innovation" auprès du Ministère de l’enseignement supérieur et de la recherche et Ministère du redressement productif
- 2013- Membre du comité de pilotage du Programme de Recherche Translationnelle en Santé (Agence Nationale de la Recherche)
- 2013- Foundation Fighting Blindness Scientific Advisory Board- Vixe-President
- 2013- Commission Innovation 2030
- 2014- Membre du Conseil Scientifique de la Chroideremia Research Foundation
- 2014- Conseil d’administration de la Fondation NRJ de l’Institut de France
- 2014- Membre du Conseil Scientifique, Vision Medicines

Organisation de conférences internationales

- Avril 2002 Consensus Conference (Foundation Fighting Blindness, Inserm, AFM) “Clinical Trials Orphan Retinal Degenerations”, Paris, France
- Avril 2005 “Ophthalmic Pan-European Clinical Trials and the Impact of EU Directive” Royal Society of Medicine, London, UK
- Juillet 2007 “Hearing and seeing: Fighting sensory disabilities” Collège de France, Paris, France
- Janvier 2008 2nd European eAccessibility Forum “Accessible e-books: an opportunity for the disabled”, Paris, France
- Décembre 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
- Novembre 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
- Juillet 2014 FENS “Cell and gene therapy approaches in retinal degenerations”, Milan, Italy
- Juillet 2015 Symposium “Gene Therapy”, ISOPT Clinical meeting, Berlin, Germany

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
Journal of Ocular Biology, Diseases, and Informatics
Chinese Journal of Clinicians
Intractable & Rare Diseases Research (Co-Editor in Chief)
Translational Vision Science and Technology
Ophthalmology and Therapy

Publications

2015

Schmitz-Valckenberg S, **Sahel JA**, Danis R, Fleckenstein M, Jaffe GJ, Wolf S, Prunte C, Holz FG. Natural History of Geographic Atrophy Progression Secondary to Age-Related Macular Degeneration (Geographic Atrophy Progression Study). *Ophthalmology*. 2015 Nov 3. [Epub ahead of print]

Bizet AA, Becker-Heck A, Ryan R, Weber K, Filhol E, Krug P, Halbritter J, Delous M, Lasbennes MC, Linghu B, Oakeley EJ, Zarhrate M, Nitschké P, Garfa-Traore M, Serluca F, Yang F, Bouwmeester T, Pinson L, Cassuto E, Dubot P, Elshakhs NA, **Sahel JA**, Salomon R, Drummond IA, Gubler MC, Antignac C, Chibout S, Szustakowski JD, Hildebrandt F, Lorentzen E, Sailer AW, Benmerah A, Saint-Mezard P, Saunier S. Mutations in TRAF3IP1/IFT54 reveal a new role for IFT proteins in microtubule stabilization. *Nat Commun*. 2015 Oct 21;6:8666.

Léveillard T, Van Dorsselaer A, **Sahel JA**. [Altruism in the retina: sticks feed cones]. *Med Sci (Paris)*. 2015 Oct;31(10):828-30.

Tick S, Wolff B, Tilleul-Hatwell V, **Sahel JA**, Cohen SY. Inner Retinal Refractile Lesions in Type 1 Neurofibromatosis. *Retina*. 2015 Oct 16. [Epub ahead of print]

Levy O, Lavalette S, Hu SJ, Housset M, Raoul W, Eandi C, **Sahel JA**, Sullivan PM, Guillonnet X, Sennlaub F. APOE Isoforms Control Pathogenic Subretinal Inflammation in Age-Related Macular Degeneration. *J Neurosci*. 2015 Oct 7;35(40):13568-76.

Roubeix C, Godefroy D, Mias C, Sapienza A, Riancho L, Degardin J, Fradot V, Ivkovic I, Picaud S, Sennlaub F, Denoyer A, Rostene W, **Sahel JA**, Parsadaniantz SM, Brignole-Baudouin F, Baudouin C. Intraocular pressure reduction and neuroprotection conferred by bone marrow-derived mesenchymal stem cells in an animal model of glaucoma. *Stem Cell Res Ther*. 2015 Sep 16;6:177.

Audo I, Gocho K, Rossant F, Mohand-Saïd S, Loquin K, Bloch I, **Sahel JA**, Paques M. Functional and high-resolution retinal imaging monitoring photoreceptor damage in acute macular neuroretinopathy. *Graefes Arch Clin Exp Ophthalmol*. 2015 Sep 7. [Epub ahead of print]

Arteni AA, Fradot M, Galzerano D, Mendes-Pinto MM, **Sahel JA**, Picaud S, Robert B, Pascal AA. Structure and Conformation of the Carotenoids in Human Retinal Macular Pigment. *PLoS One*. 2015 Aug 27;10(8):e0135779.

Azoulay L, Chaumet-Riffaud P, Jaron S, Roux C, Sancho S, Berdugo N, Audo I, **Sahel JA**, Mohand-Saïd S. Threshold Levels of Visual Field and Acuity Loss Related to Significant Decreases in the Quality of Life and Emotional States of Patients with Retinitis Pigmentosa. *Ophthalmic Res*. 2015 Jul 29;54(2):78-84. [Epub ahead of print]

Bendali A, Rousseau L, Lissorgues G, Scorsone E, Djilas M, Dégardin J, Dubus E, Fouquet S, Benosman R, Bergonzo P, **Sahel JA**, Picaud S. Synthetic 3D diamond-based electrodes for flexible retinal neuroprostheses: Model, production and in vivo biocompatibility. *Biomaterials*. 2015 Jul 14;67:73-83.

Dominguez E, Raoul W, Calippe B, **Sahel JA**, Guillonnet X, Paques M, Sennlaub F. Experimental Branch Retinal Vein Occlusion Induces Upstream Pericyte Loss and Vascular Destabilization. *PLoS One*. 2015 Jul 24;10(7):e0132644.

Cahuzac A, Scemama C, Mauget-Faÿsse M, **Sahel JA**, Wolff B. Retinal arterial macroaneurysms: clinical, angiographic, and tomographic description and therapeutic management of a series of 14 cases. *Eur J Ophthalmol*. 2015 Jul 2:0. doi: 10.5301/ejo.5000641. [Epub ahead of print]

Ho AC, Humayun MS, Dorn JD, da Cruz L, Dagnelie G, Handa J, Barale PO, **Sahel JA**, Stanga PE, Hafezi F, Safran AB, Salzmann J, Santos A, Birch D, Spencer R, Cideciyan AV, de Juan E, Duncan JL, Elliott D, Fawzi A, Olmos de Koo LC, Brown GC, Haller JA, Regillo CD, Del Priore LV, Arditì A, Geruschat DR, Greenberg RJ; Argus II Study Group. Long-Term Results from an Epiretinal Prosthesis to Restore Sight to the Blind. *Ophthalmology*. 2015 Aug;122(8):1547-54. doi: 10.1016/j.ophtha.2015.04.032. Epub 2015 Jul 8.

Cases O, Joseph A, Obry A, Santin MD, Ben-Yacoub S, Pâques M, Amsellem-Levera S, Bribian A, Simonutti M, Augustin S, Debeir T, **Sahel JA**, Christ A, de Castro F, Lehericy S, Cosette P, Kozyraki R. Foxg1-Cre Mediated Lrp2 Inactivation in the Developing Mouse Neural Retina, Ciliary and Retinal Pigment Epithelia Models Congenital High Myopia. *PLoS One*. 2015 Jun 24;10(6):e0129518.

Boulanger-Scemama E, El Shamieh S, Démontant V, Condroyer C, Antonio A, Michiels C, Boyard F, Saraiva JP, Letexier M, Souied E, Mohand-Saïd S, **Sahel JA**, Zeitz C, Audo I. Next-generation sequencing applied to a large

French cone and cone-rod dystrophy cohort: mutation spectrum and new genotype-phenotype correlation. *Orphanet J Rare Dis.* 2015 Jun 24;10(1):85.

Launay PS, Godefroy D, Khabou H, Rostene W, **Sahel JA**, Baudouin C, Melik Parsadaniantz S, Reaux-Le Goazigo A. Combined 3DISCO clearing method, retrograde tracer and ultramicroscopy to map corneal neurons in a whole adult mouse trigeminal ganglion. *Exp Eye Res.* 2015 Jun 11. pii: S0014-4835(15)00196-7.

Cwerman-Thibault H, Augustin S, Lechauve C, Ayache J, Ellouze S, **Sahel JA**, Corral-Debrinski M. Nuclear expression of mitochondrial ND4 leads to the protein assembling in complex I and prevents optic atrophy and visual loss. *Mol Ther Methods Clin Dev.* 2015 Feb 25;2:15003.

Orhan E, Dalkara D, Neuillé M, Lechauve C, Michiels C, Picaud S, Léveillard T, **Sahel JA**, Naash MI, Lavail MM, Zeitz C, Audo I. Genotypic and phenotypic characterization of P23H line 1 rat model. *PLoS One.* 2015 May 26;10(5):e0127319.

Orieux G, Slembrouck A, Bensaïd M, **Sahel JA**, Goureau O. The protein tyrosine phosphatase interacting protein 51 (PTPIP51) is required for the differentiation of photoreceptors. *Neuroscience.* 2015 Aug 6;300:276-85.

Neuillé M, Morgans CW, Cao Y, Orhan E, Michiels C, **Sahel JA**, Audo I, Duvoisin RM, Martemyanov KA, Zeitz C. LRIT3 is essential to localize TRPM1 to the dendritic tips of depolarizing bipolar cells and may play a role in cone synapse formation. *Eur J Neurosci.* 2015 May 22. doi: 10.1111/ejn.12959. [Epub ahead of print]

Aït-Ali N, Fridlich R, Millet-Puel G, Clérin E, Delalande F, Jaillard C, Blond F, Perrocheau L, Reichman S, Byrne LC, Olivier-Bandini A, Bellalou J, Moysse E, Bouillaud F, Nicol X, Dalkara D, van Dorselaer A, **Sahel JA**, Léveillard T. Rod-derived Cone Viability Factor acts by stimulating aerobic glycolysis. *Cell*, in press.

El Shamieh S, Boulanger-Scemama E, Lancelot ME, Antonio A, Démontant V, Condroyer C, Letexier M, Saraiva JP, Mohand-Saïd S, **Sahel JA**, Audo I, Zeitz C. Targeted Next Generation Sequencing Identifies Novel Mutations in RP1 as a Relatively Common Cause of Autosomal Recessive Rod-Cone Dystrophy. *Biomed Res Int.* 2015;2015:485624.

Berger A, Lorain S, Joséphine C, Desrosiers M, Peccate C, Voit T, Garcia L, **Sahel JA**, Bemelmans AP. Repair of rhodopsin mRNA by spliceosome-mediated RNA trans-splicing: a new approach for autosomal dominant retinitis pigmentosa. *Mol Ther.* 2015 Jan 26. doi: 10.1038/mt.2015.11. [Epub ahead of print]

Magnain C, Castel A, Boucneau T, Simonutti M, Ferezou I, Rancillac A, Vitalis T, **Sahel JA**, Paques M, Atlan M. Holographic laser Doppler imaging of microvascular blood flow. *J Opt Soc Am A Opt Image Sci Vis.* 2014 Dec 1;31(12):2723-35.

Errera MH, Levinson RD, Fardeau C, Thomas D, Cohen D, Navarro A, Héron E, Paques M, Pavesio C, **Sahel JA**, Westcott MC, Gaudric A, LeHoang P, Bodaghi B. Late posterior segment relapses in a series of Vogt-Koyanagi-Harada disease. *Acta Ophthalmol.* 2015 Jan 21. doi: 10.1111/aos.12640. [Epub ahead of print]

Levy O, Calippe B, Lavalette S, Hu SJ, Raoul W, Dominguez E, Housset M, Paques M, **Sahel JA**, Bemelmans AP, Combadiere C, Guillonnet X, Sennlaub F. Apolipoprotein E promotes subretinal mononuclear phagocyte survival and chronic inflammation in age-related macular degeneration. *EMBO Mol Med.* 2015 Jan 20;7(2):211-26.

Elachouri G, Lee-Rivera I, Clérin E, Argentini M, Fridlich R, Blond F, Ferracane V, Yang Y, Raffelsberger W, Wan J, Bennett J, **Sahel JA**, Zack DJ, Léveillard T. Thioredoxin rod-derived cone viability factor protects against photooxidative retinal damage. *Free Radic Biol Med.* 2015 Jan 14. pii: S0891-5849(15)00010-6. doi: 10.1016/j.freeradbiomed.2015.01.003. [Epub ahead of print]

Dalkara D, Duebel J, **Sahel JA**. Gene therapy for the eye focus on mutation-independent approaches. *Curr Opin Neurol.* 2015 Feb;28(1):51-60.

Manes G, Guillaumie T, Vos WL, Devos A, Audo I, Zeitz C, Marquette V, Zanlonghi X, Defoort-Dhellemmes S, Puech B, Saïd SM, **Sahel JA**, Odent S, Dollfus H, Kaplan J, Dufier JL, Le Meur G, Weber M, Favier L, Cohen FB, Bérout C, Picot MC, Verdier C, Sénéchal A, Baudoin C, Bocquet B, Findlay JB, Meunier I, Dhaenens CM, Hamel

CP.High Prevalence of PRPH2 in Autosomal Dominant Retinitis Pigmentosa in France and Characterization of Biochemical and Clinical Features.*Am J Ophthalmol*.2015 Feb;159(2):302-14.

Bujakowska KM, Zhang Q, Siemiatkowska AM, Liu Q, Place E, Falk MJ, Consugar M, Lancelot ME, Antonio A, Lonjou C, Carpentier W, Mohand-Saïd S, den Hollander AI, Cremers FP, Leroy BP, Gai X, **Sahel JA**, van den Born LI, Collin RW, Zeitz C, Audo I, Pierce EA. Mutations in IFT172 cause isolated retinal degeneration and Bardet-Biedl syndrome. *Hum Mol Genet*.2015 Jan 1;24(1):230-42.

Macé E, Caplette R, Marre O, Sengupta A, Chaffiol A, Barbe P, Desrosiers M, Bamberg E, **Sahel JA**, Picaud S, Duebel J, Dalkara D.Targeting Channelrhodopsin-2 to ON-bipolar Cells With Vitreally Administered AAV Restores ON and OFF Visual Responses in Blind Mice.*Mol Ther*. 2015 Jan;23(1):7-16.

2014

Clérin E, Yang Y, Forster V, Fontaine V, **Sahel JA**, Lévillard T. Vibratome sectioning mouse retina to prepare photoreceptor cultures. *J Vis Exp*. 2014 Dec 22;(94).

Law AL, Parinot C, Chatagnon J, Gravez B, **Sahel JA**, Bhattacharya SS, Nandrot EF.Cleavage of Mer Tyrosine Kinase (MerTK) from the Cell Surface Contributes to the Regulation of Retinal Phagocytosis.*J Biol Chem*. 2014 Dec 23. [Epub ahead of print]

Fort PE, Darche M, **Sahel JA**, Rendon A, Tadayoni R. Lack of dystrophin protein Dp71 results in progressive cataract formation due to loss of fiber cell organization.*Mol Vis*. 2014 Nov 4;20:1480-90.

Mora P, Ghirardini S, Héron E, Sedira N, Olcelli F, Gandolfi S, **Sahel JA**, Errera MH.Ocular tuberculosis: experience of an Italian and French cohort.*Acta Ophthalmol*.2014 Dec 9. [Epub ahead of print]

Byrne LC, Dalkara D, Luna G, Fisher SK, Clérin E, **Sahel JA**, Lévillard T, Flannery JG.Viral-mediated RdCVF and RdCVFL expression protects cone and rod photoreceptors in retinal degeneration.*J Clin Invest*.2014 Nov 21.[Epub ahead of print]

Sabbah N, Authié CN, Sanda N, Mohand-Saïd S, **Sahel JA**, Safran AB.Importance of Eye Position on Spatial Localization in Blind Subjects Wearing an Argus II Retinal Prosthesis.*Invest Ophthalmol Vis Sci*. 2014 Nov 20;55(12):8259-66.

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Sahel JA, Marazova K, Audo I. Clinical Characteristics and Current Therapies for Inherited Retinal Degenerations.*Cold Spring Harb Perspect Med*. 2014 Oct 16. pii: a017111. [Epub ahead of print]

Ratnapriya R, Zhan X, Fariss RN, Branham KE, Zipprer D, Chakarova CF, Sergeev YV, Campos MM, Othman M, Friedman JS, Maminishkis A, Waseem NH, Brooks M, Rajasimha HK, Edwards AO, Lotery A, Klein BE, Truitt BJ, Li B, Schaumberg DA, Morgan DJ, Morrison MA, Souied E, Tsironi EE, Grassmann F, Fishman GA, Silvestri G, Scholl HP, Kim IK, Ramke J, Tuo J, Merriam JE, Merriam JC, Park KH, Olson LM, Farrer LA, Johnson MP, Peachey NS, Lathrop M, Baron RV, Igo RP Jr, Klein R, Hagstrom SA, Kamatani Y, Martin TM, Jiang Y, Conley Y, **Sahel JA**, Zack DJ, Chan CC, Pericak-Vance MA, Jacobson SG, Gorin MB, Klein ML, Allikmets R, Iyengar SK, Weber BH, Haines JL, Lévillard T, Deangelis MM, Stambolian D, Weeks DE, Bhattacharya SS, Chew EY, Heckenlively JR, Abecasis GR, Swaroop A. Rare and common variants in extracellular matrix gene Fibrillin 2 (FBN2) are associated with macular degeneration. *Hum Mol Genet*. 2014 Nov 1;23(21):5827-37.

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- De Bats F, Wolff B, Vasseur V, Affortit A, Kodjikian L, **Sahel JA**, Mauget-Fajÿsse M. "En-face" spectral-domain optical coherence tomography findings in multiple evanescent white dot syndrome. *J Ophthalmol.* 2014;2014:928028.
- Berger A, Cavallero S, Dominguez E, Barbe P, Simonutti M, **Sahel JA**, Sennlaub F, Raoul W, Paques M, Bemelmans AP. Spectral-domain optical coherence tomography of the rodent eye: highlighting layers of the outer retina using signal averaging and comparison with histology. *PLoS One.* 2014 May 2;9(5):e96494.
- Vaidya A, Borgonovi E, Taylor RS, **Sahel JA**, Rizzo S, Stanga PE, Kukreja A, Walter P. The cost-effectiveness of the Argus II retinal prosthesis in Retinitis Pigmentosa patients. *BMC Ophthalmol.* 2014 Apr 14;14:49.
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