

CURRICULUM VITAE

Professor Eric H SOUIED



Professor Eric SOUIED is head of Department of Ophthalmology at the “Hopital Intercommunal de Creteil” and the ophthalmology department at “Henri Mondor” hospital, in France. He earned his MD and PhD degrees from the University of Paris XII where he also completed his ophthalmology residency. Professor Souied also completed a medical fellowship at the Creteil University Eye Clinic and a post-doctoral fellowship at the Jules Stein Eye Institute, UCLA, Los Angeles.

His main topics are Medical Retina (AMD, inherited macular and retinal dystrophies) and ophthalmic surgery (retina and cataract). Professor SOUIED has contributed to more than 120 peer-reviewed articles published in the areas of age-related macular degeneration (AMD), hereditary retinal diseases, ophthalmic genetics and gene therapy of retinal dystrophies. His main area of research is focusing on the genetics and treatment of AMD. Professor Souied is a member of the Macula Society, Gonin club and the Association for Research in Vision and Ophthalmology.

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DIPLOMAS AND CERTIFICATES

- **1984-1990** **Medical Student**, University of Paris XII
- **1990-1996** **Resident in Ophthalmology**, University of Paris XII
- **1994** **Graduate in Human Genetics**, Laboratory: INSERM U393 (J. KAPLAN; A. MUNNICH), Paris.
Molecular Studies in autosomal dominant retinitis pigmentosa
First findings of mutations in inherited retinal dystrophies in France
- **1996** **Doctor in Ophthalmology, MD**, 1996. Silver medallist.
- **1996-2000** **Fellow** in Ophthalmology November 1996- November 2000.
Créteil University Eye Clinic (G. SOUBRANE and G. COSCAS).
Medical and surgical Fellowship. Main Topics: **AMD** and **macular dystrophies**,
Angiographies, Laser, Intravitreal injections (anti-VEGF), Cataract surgery, Vitreo-retinal surgery.
Teacher in ophthalmology at University of Paris XII, numerous conferences for physicians.
- **1999** **PHD, Doctoral in Science, Human Genetics**. Laboratory: INSERM U 393 (J. KAPLAN; A. MUNNICH).
Genetic studies in age related macular degeneration
- **2000** **Director of Research Habilitation**
- **2000-2001** **Postdoctoral Fellowship**, Jules Stein Eye Institute (D FARBER), UCLA, Los Angeles, USA.
Gene therapy of retinal dystrophies using non viral vectors.
- **2002-2006** Medical and surgical **Post-fellowship** at the Créteil University Eye Clinic (Pr SOUBRANE).
- **2006** **Professor in Ophthalmology** at the Creteil University Eye Clinic.
- **2009** **Head of department** at the Creteil University Eye Clinic, University Paris Est Creteil.

MAIN TOPICS

- Molecular Biology research in the field of Genetics of AMD. First paper about *ApoE* gene and AMD. Analyze of *ABCA4*, *CFH* and *HTRA-1* genes in AMD. Phenotype-Genotype correlations in wet AMD.
- Clinical research in the field of omega-3 fatty acids and AMD: NAT-2 Study.
- Prevention of AMD. Organizer of the SERC/ARVO meeting 2006. “Toward prevention of AMD”.
- New therapies for AMD

PRIZES AND GRANDS

- 1993 Prize winner of the French Federation of Blindness (Fédération des Aveugles de France)
- 1995 Prize winner of research of the French Society of Ophthalmology (Société Française d'Ophtalmologie)
- 1996 Prize winner of the Berthe Fouassier foundation
- 1997 Grands for the research about apoE and AMD. Assistance publique – Hôpitaux de Paris
- 1998 Prize winner of clinical research of the Foundation for Medical Research (Fondation Recherche Médicale)
- 2000 Prize winner of the University Paris XII (for the PHD thesis).
- 2002 ARVO travel Grant: Retina Research Foundation.
- 2004 Prosper Veil Prize of the “ Académie Nationale de Médecine ”. (Genetics of AMD)
- 2004 PHRC National. Assistance publique – Hôpitaux de Paris. *Candidate Gene Analysis in AMD*.
- 2006 Christian Zweng Prize 2006.
- 2010 PHRC Regional. Assistance publique – Hôpitaux de Paris. *Predisposing factors for bilateralism in AMD*.

MAIN PAPERS – Eric SOUIED

- SOUIED E, GERBER S, ROZET JM, BONNEAU D, DUFIER JL, GHAZI I, PHILIP N, SOUBRANE G, COSCAS G, MUNNICH A, KAPLAN J. Five novel missense mutations of the rhodopsin gene in autosomal dominant retinitis pigmentosa. **Hum Mol Genet.** 1994; 3: 1433-1434.
- BONNEAU D, SOUIED EH, GERBER S, ROZET JM, D'HAENS E, JOURNEL H, PLESSIS G, WEISENBACH J, MUNNICH A, KAPLAN J. No evidence of genetic heterogeneity in dominant optic atrophy. **J Med Genet.** 1995; 32: 951-953.
- SOUIED E, SOUBRANE G, BENLIAN P, COSCAS G, GERBER S, MUNNICH A, KAPLAN J. Retinitis punctata albescens associated with the Arg135Trp mutation in the rhodopsin gene. **Am J Ophthalmol.** 1996; 121: 19-25.
- SOUIED E, SEGUES B, ROZET JM, GHAZI I, CHATELIN S, GERBER S, PERRAULT I, MICHEL-AWAD A, BRIARD ML, PLESSIS G, DUFIER JL, MUNNICH A, KAPLAN J. Severe manifestations in carrier females at the PR3 locus in X-linked retinitis pigmentosa. **J Med Genet.** 1997; 34: 793-797.
- SOUIED E, SALES MJ, SOUBRANE G, COSCAS G, BIGORIE B, KAPLAN J, MUNNICH A, CORMIER-DAIRE V, ROTIG A. Macular Dystrophy, Diabetes And Deafness Associated With A Large mt DNA Mitochondrial Deletion. **Am J Ophthalmol.** 1998; 125: 100-103.
- SOUIED E, BENLIAN P, AMOUYEL P, FEINGOLD J, MD, LAGARDE JP, MUNNICH A, KAPLAN J, COSCAS G, SOUBRANE G. The e4 allele of the apolipoprotein E gene as a potential protective factor for exudative age-related macular degeneration. **Am J Ophthalmol.** 1998; 125: 353-359.
- SOUIED EH, BENLIAN P, ROZET JM, GERBER S, LAGARDE JP, COSCAS G, SOUBRANE G, DUFIER JL, MUNNICH A, KAPLAN J. Apo E gene and autosomal dominant retinitis pigmentosa. **Vision Research.** 1998; 38: 3829-3831.
- SOUIED EH, DUCROQ D, GERBER S, GHAZI I, ROZET JM, PERRAULT I, MUNNICH A, DUFIER JL, COSCAS G, SOUBRANE G, KAPLAN J. Age related macular degeneration in Stargardt's grandparents: genetic study. **Am J Ophthalmol.** 1999; 128: 173-178.
- SOUIED EH, DUCROQ D, ROZET JM, GERBER S, PERRAULT I, STERKERS M, BENHAMOU N, MUNNICH A, COSCAS G, SOUBRANE G, KAPLAN J. A novel ABCR non sense mutation responsible for late onset Fundus Flavimaculatus. **Invest Ophthalmol Vis Sci.** 1999;40:2740-2744
- SOUIED EH, DUCROQ D, ROZET JM, GERBER S, MUNNICH A, COSCAS G, SOUBRANE G, KAPLAN J. ABCR gene and familial exudative age-related macular degeneration. **Invest Ophthalmol Vis Sci.** 2000; 41: 244-247.
- The international ABCR screening consortium. Further evidence for an association of ABCR alleles with age-related macular degeneration. **Am J Hum Genet.** 2000; 67: 487-491.
- SOUIED EH, ECHENNE B, BENHAMOU N, STERKERS M, OUBRAHAM H, ROTHENBERG S, COSCAS G, SOUBRANE G, ZITTOUN J. Retinal degeneration associated with congenital transcobalaminII deficiency. **Arch Ophthalmol.** 2001; 119: 1076-1077.
- BENHAMOU N, SOUIED EH, ZOLF R, COSCAS F, COSCAS G, SOUBRANE G. Adult-onset Foveomacular Vitelliform Dystrophy : A study by Optical Coherence Tomography. **Am J Ophthalmol.** 2003;135:362-367.
- SOUIED EH, PAWLAK D, ALGAN M, SAYAG D, COSCAS G, SOUBRANE G. Photodynamic therapy for choroidal neovascularization on late onset fundus flavimaculatus. **Am J Ophthalmol.** 2005;140: 312e1 – 312e4
- SOUIED EH, GORITSA A, QUERQUES G, COSCAS G, MD, SOUBRANE G. Indocyanine Green angiography and juvenile X-Linked Retinoschisis. **Am J Ophthalmol.** 2005;140:558-561
- SOUIED EH, LEVEZIEL N, RICHARD R, DRAGON-DUREY MA, COSCAS G, SOUBRANE G, BENLIAN P, FREMEAUX-BACCHI V. Y402H Complement Factor H polymorphism associated with exudative AMD in the French population. **Molecular Vision.** 2005; 11: 1135-1140.
- SOUIED EH, LEVEZIEL N, LETIEN V, DARMON J, COSCAS G, SOUBRANE G. Optical coherent tomography features of Malattia Leventinese. **Am J Ophthalmol.** 2006; 141: 404-407..
- SOUIED EH, LEVEZIEL N, LETIEN V, DARMON J, COSCAS G, SOUBRANE G. Indocyanine Green Angiography features of malattia leventinese. **Br J Ophthalmol.** 2006; 90: 185-189.
- QUERQUES G, LEVEZIEL N, BENHAMOU N, VOIGT M, SOUBRANE G, SOUIED EH. Analysis of retinal flecks in fundus flavimaculatus using Optical Coherence Tomography. **Br J Ophthalmol.** 2006;90:1157-62
- LEVEZIEL N, SOUIED EH, RICHARD F, BARBU V, ZOURDANI A, MORINEAU G, ZERBIB JENNYFER, COSCAS GABRIEL, SOUBRANE G, BENLIAN P. PLEKHA1-LOC387715-HTRA1 Polymorphisms and exudative Age-related Macular Degeneration in the French population. **Molecular Vision** 2007; 13: 2153-9.
- COSCAS F, COSCAS G, SOUIED E, TICK S, SOUBRANE G. Optical Coherence Tomography Identification of Occult Choroidal Neovascularization in Age-related Macular Degeneration. **Am J Ophthalmol.** 2007. 144: 592-599.
- QUERQUES G, BOCCO MC, COSCAS G, SOUBRANE G, SOUIED EH. Intravitreal ranibizumab (Lucentis) for choroidal neovascularization associated with vitelliform macular dystrophy. **Acta Ophthalmol.** 2008;86:694-695.
- SOUIED EH, REID SNM, PIRI NI, LERNER L, NUSINOWITZ S, FARBER DB. Non-invasive intraocular gene transfer by iontophoresis for therapy for therapy of an inherited retinal degeneration. **Exp Eye Res.** 2008 Apr 29.
- QUERQUES G, REGENBOGEN M, QUIJANO C, DELPHIN N, SOUBRANE G, SOUIED EH. High-Definition Optical Coherence Tomography Features in Vitelliform Macular Dystrophy. **Am J Ophthalmol.** 2008 Jul 9.
- LE TIEN V, STREHO M, D'ATHIS P, TAILLANDIER-HERICHE E, PAILLAUD E, MAHIDDINE H, COSCAS G, LEJONC JL, SOUBRANE G, SOUIED EH. Interobserver and Intraobserver Reliability of Detecting Age-related Macular Degeneration Using a Nonmydriatic Digital Camera. **Am J Ophthalmol.** 2008 Jul 9

- QUERQUES G, BUX AV, PRATO R, IACULLI C, SOUIED EH, DELLE NOCI N. Correlation of visual function impairment and optical coherence tomography findings in patients with adult-onset foveomacular vitelliform macular dystrophy. **Am J Ophthalmol.** 2008 ;146:135-142
- LEVEZIEL N, ZERBIB J, RICHARD F, QUERQUES G, MORINEAU G, FREMEAUX-BACCHI V, COSCAS G, SOUBRANE G, BENLIAN P, SOUIED EH. Genotype-phenotype correlations for exudative age-related macular degeneration associated with homozygous HTRA1 and CFH genotypes. **Invest Ophthalmol Vis Sci.** 2008 Jul;49(7):3090-4
- QUERQUES G, PRATO R, IACULLI C, VOIGT M, DELLE NOCI N, COSCAS G, SOUBRANE G, SOUIED EH. Correlation of visual function impairment and OCT findings in patients with Stargardt disease and fundus flavimaculatus. **Eur J Ophthalmol.** 2008 Mar-Apr;18(2):239-47.
- SEMOUN O, GUIGUI B, TICK S, COSCAS G, SOUBRANE G, SOUIED E. Infrared features of classic choroidal neovascularization in exudative age related macular degeneration. **Br J Ophthalmol.** 2008 Nov 4.
- QUERQUES G, THIRKILL CE, HAGEGE H, SOUBRANE G, SOUIED EH. Choroidal neovascularization associated with cancer-associated retinopathy. **Acta Ophthalmol.** 2008.
- QUERQUES G, REGENBOGEN M, SOUBRANE G, SOUIED EH. High-resolution spectral domain optical coherence tomography findings in multifocal vitelliform macular dystrophy. **Surv Ophthalmol.** 2009;54(2):311-6.
- LIANG F, PUCHE N, SOUBRANE G, SOUIED EH. Intravitreal ranibizumab for choroidal neovascularization related to traumatic Bruch's membrane rupture. **Graefes Arch Clin Exp Ophthalmol.** 2009 May 26.
- QUERQUES G, BENLIAN P, CHANU B, PORTAL C, COSCAS G, SOUBRANE G, SOUIED EH. Nutritional AMD treatment phase I (NAT-1): feasibility of oral DHA supplementation in age-related macular degeneration. **Eur J Ophthalmol.** 2009;19(1):100-6.
- QUERQUES G, ZERBIB J, SANTACROCE R, MARGAGLIONE M, DELPHIN N, ROZET JM, KAPLAN J, MARTINELLI D, DELLE NOCI N, SOUBRANE G, SOUIED EH. Functional and clinical data of Best vitelliform macular dystrophy patients with mutations in the BEST1 gene. **Mol Vis.** 2009 Dec 31;15:2960-72.
- QUERQUES G, PRATO R, COSCAS G, SOUBRANE G, SOUIED EH. In vivo visualization of photoreceptor layer and lipofuscin accumulation in stargardt's disease and fundus flavimaculatus by high resolution spectral-domain optical coherence tomography. **Clin Ophthalmol.** 2009;3:693-9.
- LEVEZIEL N, PUCHE N, RICHARD F, SOMNER JE, ZERBIB J, BASTUJI-GARIN S, COHEN S, KOROBELNIK JF, SAHEL JA, SOUBRANE G, BENLIAN P, SOUIED EH. Genotypic influences on severity of exudative Age-related Macular Degeneration. **Invest Ophthalmol Vis Sci.** 2009 Dec 30. [Epub ahead of print]
- ZERBIB J, SEDDON JM, RICHARD F, REYNOLDS R, LEVEZIEL N, BENLIAN P, BOREL P, FEINGOLD J, MUNNICH A, SOUBRANE G, KAPLAN J, ROZET JM, SOUIED EH. rs5888 variant of SCARB1 gene is a possible susceptibility factor for age-related macular degeneration. **PLoS One.** 2009 Oct 5;4(10):e7341
- GUIGUI B, MARTINET V, LEVEZIEL N, COSCAS G, SOUBRANE G, SOUIED EH. Photodynamic therapy for choroidal neovascularisation secondary to basal laminar drusen. **Eye (Lond).** 2009 Nov;23(11):2115-8
- QUERQUES G, ATMANI K, BERBOUCHA E, MARTINELLI D, COSCAS G, SOUBRANE G, SOUIED EH. Angiographic analysis of retinal-choroidal anastomosis by confocal scanning laser ophthalmoscopy technology and corresponding (eye-tracked) spectral-domain optical coherence tomography. **Retina.** 2010 Feb;30(2):222-34.
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- QUERQUES G, COSCAS G, SOUBRANE G, SOUIED EH. Type II idiopathic macular telangiectasia and soft confluent drusen. **Eur J Ophthalmol.** 2010 Mar-Apr;20(2):466-8.
- QUERQUES G, AZRYA S, MARTINELLI D, BERBOUCHA E, FELDMAN A, PECE A, COSCAS G, SOUBRANE G, SOUIED EH. Ranibizumab for exudative age-related macular degeneration: 24-month outcomes from a single-centre institutional setting. **Br J Ophthalmol.** 2010 Mar;94(3):292-6. Epub 2009 Dec 1
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- ATMANI K, VOIGT M, LE TIEN V, QUERQUES G, COSCAS G, SOUBRANE G, SOUIED EH. Ranibizumab for retinal angiomatous proliferation in age-related macular degeneration. **Eye.** 2010 Feb 12.
- NEALE BM, FAGERNESS J, REYNOLDS R, SOBRIN L, PARKER M, RAYCHAUDHURI S, TAN PL, OH EC, MERRIAM JE, SOUIED E, BERNSTEIN PS, LI B, FREDERICK JM, ZHANG K, BRANTLEY MA JR, LEE AY, ZACK DJ, CAMPOCHIARO B, CAMPOCHIARO P, RIPKE S, SMITH RT, BARILE GR, KATSANIS N, ALLIKMETS R, DALY MJ, SEDDON JM. Genome-wide association study of advanced age-related macular degeneration identifies a role of the hepatic lipase gene (LIPC). **Proc Natl Acad Sci U S A.** 2010 Apr 20;107:7395-400.
- PUCHE N, QUERQUES G, BENHAMOU N, TICK S, MIMOUN G, MARTINELLI D, SOUBRANE G, SOUIED EH. High-resolution spectral domain optical coherence tomography features in adult onset foveomacular vitelliform dystrophy. **Br J Ophthalmol.** 2010 ;94:1190-6.
- VOIGT M, QUERQUES G, ATMANI K, LEVEZIEL N, MASSAMBA N, PUCHE N, BOUZITOU-MFOUMOU R, SOUIED EH. Analysis of retinal flecks in fundus flavimaculatus using high-definition spectral-domain optical coherence tomography. **Am J Ophthalmol.** 2010;150:330-7.
- GUIGUI B, LEVEZIEL N, MARTINET V, MASSAMBA N, STERKERS M, COSCAS G, SOUIED EH. Angiography features of early onset drusen. **Br J Ophthalmol.** 2011;95:238-44.
- 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.** 2010.15;16:1324-30.

- TERRADA C, DETHOREY G, DUCOS G, LEHOANG P, BODAGHI B, SOUIED EH. Spontaneous branch artery occlusion in idiopathic retinitis, vasculitis, aneurysms, and neuroretinitis syndrome despite panretinal laser photocoagulation of widespread retina nonperfusion. **Acta Ophthalmol**. 2010 Aug 17.
- MIMOUN G, TILLEUL J, LEYS A, COSCAS G, SOUBRANE G, SOUIED EH. Intravitreal ranibizumab for choroidal neovascularization in angioid streaks. **Am J Ophthalmol**. 2010;150:692-700.e1.
- LE TIEN V, ATMANI K, QUERQUES G, MASSAMBA N, SOUIED EH. Ranibizumab for subfoveal choroidal neovascularization in Bietti crystalline retinopathy. **Eye**. 2010;24(11):1728-9.
- MASSAMBA N, QUERQUES G, LAMORY B, QUERQUES L, SOUIED E, SOUBRANE G. In vivo evaluation of photoreceptor mosaic in type 2 idiopathic macular telangiectasia using adaptive optics. **Acta Ophthalmol**. 2010 Aug 31.
- COSCAS F, COSCAS G, AKNIN I, SOUBRANE G, SOUIED E. Polypoidal choroidal vasculopathy and macroaneurysm: respective roles of scanning laser ophthalmoscopy-indocyanine green angiography and optical coherence tomography. **Eur J Ophthalmol**. 2010 Sep 9.
- GLACET-BERNARD A, ATASSI M, FARDEAU C, ROMANET JP, TONINI M, CONRATH J, DENIS P, MAUGET-FAISSE M, COSCAS G, SOUBRANE G, SOUIED E. Hemodilution therapy using automated erythrocytapheresis in central retinal vein occlusion: results of a multicenter randomized controlled study. **Graefes Arch Clin Exp Ophthalmol**. 2010 Oct 17.
- COHEN SY, SOUIED EH, WEBER M, DUPEYRON G, DE POUVOURVILLE G, LIEVRE M, PONTTHIEUX A. Patient characteristics and treatment of neovascular age-related macular degeneration in France: the LUEUR1 observational study. **Graefes Arch Clin Exp Ophthalmol**. 2010 Nov 6.
- GLACET-BERNARD A, COSCAS G, ZOURDANI A, SOUBRANE G, SOUIED EH. Steroids and macular edema from retinal vein occlusion. **Eur J Ophthalmol**. 2010;21:37-44.
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- QUERQUES G, QUERQUES L, MARTINELLI D, MASSAMBA N, COSCAS G, SOUBRANE G, SOUIED EH. Pathologic insights from integrated imaging of reticular pseudodrusen in age-related macular degeneration. **Retina**. 2011;31:518-26.
- QUERQUES G, BERBOUCHA E, LEVEZIEL N, PECE A, SOUIED EH. Preferential hyperacuity perimeter in assessing responsiveness to ranibizumab therapy for exudative age-related macular degeneration. **Br J Ophthalmol**. 2010 Dec 22.
- QUERQUES G, FORTE R, QUERQUES L, SOUIED EH. Artifacts associated with Spectral-domain OCT. **Ophthalmology**. 2011;118:222-222.e1.
- QUERQUES G, ATMANI K, BOUZITOU-MFOUMOU R, LEVEZIEL N, MASSAMBA N, SOUIED EH. Preferential hyperacuity perimeter in Best vitelliform macular dystrophy. **Retina**. 2011 Jan 14.