

## Curriculum Vitae

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### *Education:*

1994 Ph.D., Visual Psychophysics (Faculty of Medicine), University of Amsterdam, The Netherlands. Doctoral thesis: *Functional damage in early glaucoma. Psychophysical studies.*

1990 B.Sc., Physics, Leiden University, Leiden, The Netherlands

### *Employment / Positions held:*

09/06 – present Director, Mary C. Crowley Visual Disorders Laboratory, Retina Foundation of the Southwest, Dallas, TX

01/06 – present Associate Research Scientist, Retina Foundation of the Southwest

01/04 – 12/05 Assistant Research Scientist, Retina Foundation of the Southwest

06/00 – 12/03 Adjunct Research Scientist, Retina Foundation of the Southwest

04/02 – present Adjunct Assistant Professor of Ophthalmology, University of Texas Southwestern Medical Center at Dallas, TX

04/00 – present Research Director, Pediatric Ophthalmology and the Center for Adult Strabismus, Dallas, TX

01/98 – 02/00 Research Investigator, Department of Ophthalmology and Visual Sciences, University of Michigan, Ann Arbor, MI  
*and* Associate Director, Retinal Electrophysiology and Psychophysics Testing Service, Ann Arbor, MI

02/95 – 12/97 Postdoctoral Fellow, Retina Foundation of the Southwest, Dallas, TX

09/90 – 01/95 Scientist, Netherlands Ophthalmic Research Institute; *and* Scientist-in-Training, Department of Ophthalmology, University of Amsterdam, Amsterdam, The Netherlands

*Memberships:* Association for Research in Vision and Ophthalmology

### *Awards:*

1999 John W. Kluge Research Fellow 1999-2000, The Foundation Fighting Blindness

1996 Travel Grant, International Perimetric Society

### *Journals referee:*

American Journal of Ophthalmology; Archives of Ophthalmology; Current Eye Research; Developmental Medicine and Child Neurology; Graefe's Archive for Clinical and Experimental Ophthalmology; Investigative Ophthalmology and Visual Science (IOVS);

Journal of AAPOS; Ophthalmic and Physiological Optics; Ophthalmology; Optometry and Vision Science; Strabismus; Vision Research

*Service & other activities:*

- December 1999 Co-organizer, Symposium on *Visual Function Testing and Clinical Trial Endpoints*. Ann Arbor, MI, December 9-10, 1999; The Foundation Fighting Blindness
- 2000 – present Site Coordinator, Pediatric Eye Disease Investigator Group (PEDIG): *Amblyopia Treatment Studies (ATS1–9; A10–11); Esotropia Treatment Study (ETS1); Nasolacrimal Duct Obstruction Studies (NLD1–2)*
- 2002 – present Site Coordinator, *Infant Aphakia Treatment Study*
- 2005 – 2007 Member, Steering Committee, *Infant Aphakia Treatment Study*
- 2006 – present Consultant, Outcomes and Policy Committee, American Association for Pediatric Ophthalmology and Strabismus (AAPOS)
- 2007 – present Editorial Board Member, Strabismus

*Publications:*

1. Felius J, Langerhorst CT, van den Berg TJTP, Greve EL. Oculokinetic perimetry compared with standard perimetric threshold testing. *Int Ophthalmol* 1992;6:221-6.
2. de Jong LAMS, Felius J, van den Berg TJTP, Greve EL. Use of a blue filter in visual field analysis. *Br J Ophthalmol* 1992;76:447-8.
3. Langerhorst CT, Bakker D, Felius J, van den Berg TJTP. Discrepancies between single stimulus and multiple stimulus visual field examination with the Peritest semi-automated perimeter in glaucoma patients. *Doc Ophthalmol* 1992;82:135-40.
4. Felius J, de Jong LAMS, van den Berg TJTP, Greve EL. Automated scotopic perimetry in glaucoma. *Perimetry Update 1992/93*, Mills RP (ed), pp. 339-43, 1993.
5. Felius J, de Jong LAMS, van den Berg TJTP, Greve EL. Functional characteristics of blue-on-yellow perimetric thresholds in glaucoma. *Invest Ophthalmol Vis Sci* 1995;36:1665-74.
6. Felius J, van den Berg TJTP, Spekrijse H. Peripheral cone contrast sensitivity in glaucoma. *Vision Res* 1995;35:1791-7.
7. van den Berg TJTP, Felius J. Relation between spectral transmittance and slitlamp color of human lenses. *Invest Ophthalmol Vis Sci* 1995;36:322-9.
8. Felius J, Swanson WH, Fellman RL, Lynn JR, Starita RJ. Spatial summation for selected ganglion cell mosaics in patients with glaucoma. *Perimetry Update 1996/97*, Wall M (ed), pp. 213-21, 1997.
9. Felius J, Swanson WH. Photopic temporal processing in retinitis pigmentosa. *Invest Ophthalmol Vis Sci* 1999;40:2932-44.
10. Ayyagari R, Kakuk LE, Coats CL, Bingham EL, Toda Y, Felius J, Sieving PA. Bilateral macular atrophy in blue cone monochromacy (BCM) with loss of the locus control region (LCR) and part of the red pigment gene. *Mol Vis* 1999;5:13. URL: <http://www.molvis.org/molvis/v5/p13/>
11. Ayyagari R, Kakuk LE, Toda Y, Coats CL, Bingham EL, Szczesny JJ, Felius J, Sieving PA. Blue Cone Monochromacy: Macular degeneration in individuals with cone specific gene

- loss. In: *Retinal Degenerative Diseases and Experimental Therapy*. Hollyfield JG, Anderson RE, LaVail MM (eds). Kluwer Academic/Plenum Publishers, New York, pp. 223-34, 1999.
12. Swanson WH, Felius J, Birch DG. Effect of stimulus size on static visual fields in patients with retinitis pigmentosa. *Ophthalmology* 2000;107:1950-4.
  13. Ayyagari R, Kakuk LE, Bingham EL, Szczesny JJ, Kemp J, Toda Y, Felius J, Sieving PA. Spectrum of color gene deletions and phenotype in patients with blue cone monochromacy. *Hum Genetics* 2000;107:75-82.
  14. Felius J, Stager DR Jr, Beauchamp GR, Stager DR. Re-recession of the medial rectus muscles in patients with recurrent esotropia. *J AAPOS* 2001;5:381-7.
  15. Felius J, Thompson DA, Khan NW, Bingham EL, Jamison JA, Kemp JA, Sieving PA. Clinical course and visual function in a family with mutations in the *RPE65* gene. *Arch Ophthalmol* 2002;120:55-61.
  16. Black BC, Felius J, Beauchamp GR. Intensity and complexity index of disease for strabismus surgery. *J AAPOS* 2003;7:60-5.
  17. Weakley DR, Birch E, McClatchey SK, Felius J, Parks MM, Stager D. The association between myopic shift and visual acuity outcome in pediatric aphakia. *J AAPOS* 2003;7:86-90.
  18. Stager DR Jr, Stager DR, Beauchamp GR, Wright WW, Felius J. Anterior and nasal transposition of the inferior oblique muscles. *J AAPOS* 2003;7:167-73.
  19. Beauchamp GR, Black BC, Coats DK, Enzenauer RW, Hutchinson AK, Saunders RA, Simon JW, Stager DR, Stager DR Jr, Wilson ME, Zabal-Ratner J, Felius J. The management of strabismus in adults—I. Clinical characteristics and treatment. *J AAPOS* 2003;7:233-40.
  20. Felius J, Swanson WH. Effects of cone adaptation on variability in S-cone increment thresholds. *Invest Ophthalmol Vis Sci* 2003;44:4140-6.
  21. Holmes JM, Beck RW, Kraker RT, Cole SR, Repka MX, Birch EE, Felius J, Christiansen SP, Coats DK, Kulp MT; Pediatric Eye Disease Investigator Group. Impact of patching and atropine treatment on the child and family in the Amblyopia Treatment Study. *Arch Ophthalmol* 2003;121:1625-32.
  22. Felius J, Wang YZ, Birch EE. The accuracy of the Amblyopia Treatment Study visual acuity testing protocol. *J AAPOS* 2003;7:406-12.
  23. Swanson WH, Felius J, Pan F. Perimetric defects and ganglion cell damage: interpreting linear relations using a two-stage neural model. *Invest Ophthalmol Vis Sci* 2004;45:466-72.
  24. Crnic T, Weakley DR Jr, Stager DR Jr, Felius J. Safety and efficacy of foldable secondary intraocular lens placement in pediatric patients: A 5 year analysis. *J AAPOS* 2004;8:151-5.
  25. Felius J, Stager DR Sr, Berry PM, Fawcett SL, Stager DR Jr, Salomão SR, Berezovsky A, Birch EE. Development of an instrument to assess vision-related quality of life in young children. *Am J Ophthalmol* 2004;138:362-72.
  26. Fawcett SL, Felius J, Stager DR Sr. Predictive factors underlying the restoration of the macular binocular vision reflex in adults with acquired strabismus. *J AAPOS* 2004;8:439-44.
  27. Stager DR Jr, Wang X, Stager DR Sr, Beauchamp GR, Felius J. Nasal myectomy of the inferior oblique muscles for recurrent inferior oblique overaction. *J AAPOS* 2004;8:462-5.

28. Fawcett SL, Stager DR Sr, Felius J. Factors influencing stereoacuity outcomes in adults with acquired strabismus. *Am J Ophthalmol* 2004;138:931-5.
29. Birch EE, Felius J, Stager DR Sr, Weakley DR Jr, Bosworth RG. Pre-operative stability of infantile esotropia and post-operative outcome. *Am J Ophthalmol* 2004;138:1003-9.
30. Coats DK, Stager DR Sr, Beauchamp GR, Stager DR Jr, Mazow ML, Paysse EA, Felius J. Reasons for delay of surgical intervention in adult strabismus. *Arch Ophthalmol* 2005;123:497-9.
31. Beauchamp GR, Black BC, Coats DK, Enzenauer RW, Hutchinson AK, Saunders RA, Simon JW, Stager DR Sr, Stager DR Jr, Wilson ME, Zabal-Ratner J, Felius J. The management of strabismus in adults—II. Patient and provider perspectives on the severity of adult strabismus and on outcome contributors. *J AAPOS* 2005;9:141-7.
32. Beauchamp GR, Black BC, Coats DK, Enzenauer RW, Hutchinson AK, Saunders RA, Simon JW, Stager DR Jr, Stager DR Sr, Wilson ME, Zabal-Ratner J, Felius J. The management of strabismus in adults—III. The effects on disability. *J AAPOS* 2005;9:455-9.
33. Beauchamp GR, Felius J, Stager DR Sr, Beauchamp CL. The utility of strabismus in adults. *Trans Am Ophthalmol Soc* 2005;103:164-72.
34. Birch EE, Cheng C, Stager DR Jr, Felius J. Visual acuity development following unilateral IOL implantation in infants and young children. *J AAPOS* 2005;9:527-32.
35. Stager DR Jr, Wang X, Weakley DR Jr, Felius J. The effectiveness of Nd:YAG laser capsulotomy for the treatment of posterior capsule opacification in children with acrylic IOLs. *J AAPOS* 2006;10:159-63.
36. Wallace DK; Pediatric Eye Disease Investigator Group; Edwards AR, Cotter SA, Beck RW, Arnold RW, Astle WF, Barnhardt CN, Birch EE, Donahue SP, Everett DF, Felius J, Holmes JM, Kraker RT, Melia M, Repka MX, Sala NA, Silbert DI, Weise KK. A randomized trial to evaluate 2 hours of daily patching for strabismic and anisometropic amblyopia in children. *Ophthalmology* 2006;113:904-12.
37. Cotter SA; Pediatric Eye Disease Investigator Group; Edwards AR, Wallace DK, Beck RW, Arnold RW, Astle WF, Barnhardt CN, Birch EE, Donahue SP, Everett DF, Felius J, Holmes JM, Kraker RT, Melia M, Repka MX, Sala NA, Silbert DI, Weise KK. Treatment of anisometropic amblyopia in children with refractive correction. *Ophthalmology* 2006;113:895-903.
38. Beauchamp CL, Beauchamp GR, Stager DR Sr, Brown GC, Brown MM, Felius J. The cost-utility of strabismus surgery in adults. *J AAPOS* 2006;10:394-9.
39. Felius J, Beauchamp GR, Stager DR Sr, van de Graaf ES, Simonsz HJ. The Amblyopia and Strabismus Questionnaire: English translation, validation and subscales. *Am J Ophthalmol* 2007;143:305-10.
40. Ela-Dalman N, Velez FG, Felius J, Stager DR Sr, Rosenbaum AL. Inferior oblique muscle fixation to the orbital wall: a profound weakening procedure. *J AAPOS* 2007;11:17-22.
41. Hussein MA, Stager DR Sr, Stager DR Jr, Beauchamp GR, Felius J. Anterior and nasal transposition of the inferior oblique muscles in patients with missing superior oblique tendons. *J AAPOS* 2007;11:29-35.
42. Beauchamp CL, Stager DR Jr, Weakley DR Jr, Wang X, Felius J. Surgical findings with the tinted AcrySof intraocular lens in children. *J AAPOS* 2007;11:165-8.

43. Cotter SA, Edwards AR, Arnold RW, Astle WF, Barnhardt CN, Beck RW, Birch EE, Donahue SP, Everett DF, Felius J, Holmes JM, Kraker RT, Melia BM, Repka MX, Wallace DK, Weise KK; Pediatric Eye Disease Investigator Group. Treatment of strabismic amblyopia with refractive correction. *Am J Ophthalmol* 2007;143:1060-3.
44. Birch EE, Cheng CS, Felius J. Validity and reliability of the Children's Visual Function Questionnaire (CVFQ). *J AAPOS* 2007;11:473-9.
45. Wallace DK, Chandler DL, Beck RW, Arnold RW, Bacal DA, Birch EE, Felius J, Frazier M, Holmes JM, Hoover D, Klimek DA, Lorenzana I, Quinn GE, Repka MX, Suh DW, Tamkins S; Pediatric Eye Disease Investigator Group. Treatment of bilateral refractive amblyopia in children three to less than 10 years of age. *Am J Ophthalmol* 2007;144:487-96.
46. Drover J, Felius J, Cheng CS, Morale S, Wyatt L, Birch EE. Normative pediatric visual acuity using single surrounded HOTV optotypes on the Electronic Visual Acuity Tester following the Amblyopia Treatment Study protocol. *J AAPOS*. In Press.

*Invited talks:*

1. Felius J. Vision-related quality of life as an outcome in pediatric ophthalmology research Second Rotterdam Amblyopia Meeting, Rotterdam, February 22, 2007.
2. Felius J, van de Graaf E. The use of quality-of-life instruments in pediatric ophthalmology and amblyopia research. (Workshop.) Second Rotterdam Amblyopia Meeting, Rotterdam, February 22, 2007.

*Recent Abstracts:*

1. Felius J, Globe DR, Wu J, Stager DR Sr, Birch EE. The Children's Visual Function Questionnaire: validation through Rasch analysis. AAPOS, March 2004, Washington, DC.
2. Stager DR Jr, Wang X, Stager DR Sr, Beauchamp GR, Felius J. Nasal myectomy of the inferior oblique muscles for recurrent inferior oblique overaction. AAPOS, March 2004, Washington, DC.
3. Beauchamp GR, Black BC, Coats DK, Enzenauer RW, Hutchinson AK, Saunders RA, Simon JW, Stager DR, Stager DR Jr, Wilson ME, Zabal-Ratner J, Felius J. Patient and provider perspectives on the severity of adult strabismus and on contributors to disease and outcome. AAPOS, March 2004, Washington, DC.
4. Felius J, Stager DR Sr, Birch EE. Stimulus and response AC/A ratios in infants and young children with and without accommodative esotropia. ARVO, April 2004, Fort Lauderdale, FL.
5. Fawcett SL, Felius J, Stager DR Sr. Predictive factors of stereoacuity outcomes in adults with acquired strabismus. ARVO, April 2004, Fort Lauderdale, FL.
6. Birch EE, Cheng CS, Stager DR Jr, Felius J. Visual acuity development following unilateral IOL implantation in infants and young children. AAPOS 2005, Orlando, FL.
7. Beauchamp GR, Black BC, Coats DK, Enzenauer RW, Hutchinson AK, Saunders RA, Simon JW, Stager DR, Stager DR Jr, Wilson ME, Zabal-Ratner J, Felius J. The management of strabismus in adults: Effects on disability. AAPOS 2005, Orlando, FL.
8. Stager DR Jr, Wang X, Weakley DR Jr, Felius J. Nd:YAG laser capsulotomy after AcrySof IOL implantation in children. AAPOS 2005, Orlando, FL.

9. Loudon SE, Feliuss J, Simonsz B, Joosse MV, Fronius M, Simonsz HJ. Quality of life of children treated with occlusion therapy for amblyopia. ARVO, May 2005, Fort Lauderdale, FL.
10. Feliuss J, Lloyd AS, Birch EE. Co-maturation of convergence and accommodation responses with contrast sensitivity and binocular vision. ARVO, May 2005, Fort Lauderdale, FL.
11. Birch EE, Cheng C, Feliuss J. The Children's Visual Function Questionnaire in pediatric eye research. ARVO, May 2005, Fort Lauderdale, FL.
12. Birch DG, Locke KG, Klein M, Feliuss J. Measures of static visual field progression in retinitis pigmentosa. ARVO, May 2005, Fort Lauderdale, FL.
13. Wang YZ, Feliuss J. The role of spatial phase in the detection of position-defined and orientation-defined linear and circular contour deformation. Vision Sciences Society, May 2005, Sarasota, FL.
14. Beauchamp GR, Feliuss J, Stager DR Sr, Stager DR Jr, Beauchamp CL. The utility of strabismus in adults. AOS, May 2005, Sea Island, GA.
15. Feliuss J, van de Graaf ES, Beauchamp GR, Stager DR Sr, Beauchamp CL, Simonsz HJ. Introducing the ASQE: the English version of the Amblyopia and Strabismus Questionnaire. AAPOS, March 2006, Keystone, CO.
16. Beauchamp CL, Beauchamp GR, Feliuss J, Stager DR Sr, Brown GC, Brown MM. The cost-utility of strabismus surgery in adults. AAPOS, March 2006, Keystone, CO.
17. Hussein MA, Stager DR Sr, Stager DR Jr, Beauchamp GR, Feliuss J. Anterior and nasal transposition of the inferior oblique in patients with isolated superior oblique tendon absence. AAPOS, March 2006, Keystone, CO.
18. Stager DR Jr, Weakley DR Jr, Wang X, Feliuss J, Beauchamp CL. Acrysof 'Natural' intraocular lens implantation in children. AAPOS, March 2006, Keystone, CO.
19. Ela-Dalman N, Velez FG, Stager DR Sr, Feliuss J, Rosenbaum AL. Inferior oblique orbital fixation: a profound weakening procedure. AAPOS, March 2006, Keystone, CO.
20. Feliuss J, Stager DR Sr, Weakley DR, Leffler JN, Birch EE. Convergence-accommodation relationships in children at risk for accommodative esotropia. ARVO, April 2006, Fort Lauderdale, FL.
21. Wang YZ, Wilson CE, Feliuss J, Birch EE. The roles of position and orientation features in shape discrimination deficits of amblyopia. ARVO, April 2006, Fort Lauderdale, FL.
22. Beauchamp CL, Feliuss J, Beauchamp GR, Brown GC, Brown MM. The economic value added (EVA) for care of amblyopia, strabismus and asthma. AAPOS, April 2007, Seattle, WA.
23. Feliuss J, Cheng CS, Stager DR Sr, Wang X, Birch EE. AC/A changes after medial rectus recession in infants. AAPOS, April 2007, Seattle, WA.
24. Feliuss J, Cheng CS, Wang X, Stager DR Sr, Birch EE. Accommodative convergence in patients with infantile esotropia before and after surgery. ARVO, May 2007, Fort Lauderdale, FL.
25. Fu VLN, Feliuss J, Hertle RW, Birch EE. Visual development of children with infantile nystagmus syndrome (INS). ARVO, May 2007, Fort Lauderdale, FL.

*Last revised: December 4, 2007*