

CURRICULUM VITAE  
**TASSIGNON MARIE-JOSÉ**



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**Place of birth:** Wavre  
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**Nationality:** Belgian  
**Children:** Van Tittelboom Filip (°20/09/1979)  
Van Tittelboom Isabelle (°06/05/1981)  
**Basic language:** Dutch  
**Languages:** French (native language)  
English (very good knowledge)  
German (good knowledge)

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## **1. Diploma's and career**

### **1.1 Undergraduate education**

Study Direction: Scientific B, completed in 1970 with distinction

### **1.2 Graduate education**

#### **1.2.1. Faculty of Medicine and Pharmacy of the VUB (1971-1977)**

Completed with high distinction

#### **1.2.2. Training in Ophthalmology**

1977 – 1978	Scholarship at the Brussels Hospital Network
1978 – 1981	Trainee in Ophthalmology at the University Hospital Brussels (AZ VUB)
1981	Recognition as Ophthalmologist with registration number 1-17252-21-370
1990	PhD thesis obtained at the Rijksuniversiteit Leiden
1999	Recognition as physician-specialist in ophthalmology and in professional revalidation of the visually disabled (K) with registration number 1-17252-21-374
2008	Recognition as physician-specialist in insurance medicine

### **1.3 Accessory education**

Management training for medical doctors with an executive mission: 33 hours (academical year 1997-1998)

### **1.4 Career**

1981 – 1982:	Candidate staff member at the University Hospital Brussels (AZ-VUB)
1982 – 1984:	Staff member 1st term at the University Hospital Brussels (AZ-VUB)
1984 – 1986:	Staff member 2nd term at the University Hospital Brussels (AZ-VUB)
1986 – 1991:	Associate Professor at the University Hospital Brussels (AZ-VUB)
1991 – 2000:	Head of Department of Ophthalmology at the Antwerp University Hospital Head instructor at the University of Antwerp
2000 – 2002:	Head of Department of Ophthalmology at the Antwerp University Hospital Professor (60 %) at the University of Antwerp
2003 – 2007:	Head of Department of Ophthalmology at the Antwerp University Hospital Full Professor (100 %) at the University of Antwerp
2007 – 2017:	Head of Department of Ophthalmology at the Antwerp University Hospital Full Professor (100 %) at the University of Antwerp Medical Director of the Antwerp University Hospital Antwerp

## **2. Memberships and board functions**

### **2.A.1 National scientific societies**

Member of 11 national societies

Board member of 7 national societies (president or past-president of 4 national societies)

### **2.A.2 International societies**

Member of 26 international societies

Board member of 9 international societies:

- Past-President of the *European Society of Cataract and Refractive Surgery* (ESCRS)
- Chair of the *Programme Committee* of the ESCRS
- Treasurer of the *International Uveitis Study Group* (IUSG)
- Past-President of the *European Board of Ophthalmology* (EBO)
- Board Member of the *Société Française d'Ophthalmologie* (SFO)
- Treasurer of the *Academia Ophthalmologia Internationalis* (AOI)
- Board member of EU Cornea
- Past Second Vice-President of European Academy of Ophthalmology (EAO)
- Board member of International Council of Ophthalmologia (ICO)

### 2.A.3 Graduate and postgraduate education

- ✓ Supervisor for full education in ophthalmology for 6 trainees
- ✓ Board member of the Dutch accreditation committee for training in ophthalmology
- ✓ Member of the board of the *Paritary committee for ophthalmology* of the Belgian social security (RIZIV)
- ✓ Member of the Belgian social security, committee medical devices (RIZIV)
- ✓ Member of the *European Professors Organisation* (EUPO)
- ✓ Board member of the *European Board of Ophthalmology* (EBO)
  - Vice-President and Chair of the Residency Review Committee (2000 until 2004)
  - President-elect from 2005 until 2006
  - President from 2007 until 2008
  - Past-President 2009-2010
- ✓ Board member of the *Collegium Ophthalmologicum Belgicum* (COB)
  - Vice-President from 2002 until 2005
  - President from 2005 until 2007
  - President from 2011 until 2012

### 2.B.1 Antwerp University Hospital (UZA)

Medical board

- 1st term (1997-1999) as member of the medical board
- 2nd term (2000-2003) as vice-president of the medical board

Operating theatre

- Head of the operating theatre from 2000 until present

Medical Director of the Antwerp University Hospital (2007-2011) (2011-2015)

### 2.B.2 University of Antwerp (UA)

- ✓ Representative of the University of Antwerp at the *Ministry of social affairs, funds for occupational illness* (1999)
- ✓ Vice-President of the commission of postgraduate education for trainees (1999-2001)
- ✓ Effective member of the disciplinary body (2000-present)
- ✓ Substitute member for appeal (RIZIV accreditation) of the University of Antwerp (2000-present)
- ✓ Vice-dean of the Faculty of Medicine (2001-2003)
- ✓ Member of the general assembly of the medical foundation *Horlait-Dapsens* (2002-2007)
- ✓ Substitute member of the Scientific Committee of the Geneeskundige Stichting Koningin Elisabeth (until 2011)
- ✓ Substitute member of the Association of Professors of the University of Antwerp (VPUA) (until present)
- ✓ Member of Centrale Beoordelingscommissie (until 2009)
- ✓ Prolongation warrant of the Scientific Committee of the Geneeskundige Stichting Koningin Elisabeth
- ✓ Professional development session Master after Master in the advanced medicine: information session short clinical ratings
- ✓ Certified center by Federal Government for animal testing (LA1100157)

### 2.C. Expert in governmental committees

- ✓ Ministry of social affairs, commission of recognition for trainees, representative of the Antwerp University from 1992 until 2013
- ✓ National Social Security Body (RIZIV): committee for reimbursement of medical devices (representative of the Antwerp University (2000 until present)

## 2.D. Humanitarian projects (accross borders)

- ✓ A project in Peru (Huanuco) has been conducted in 1999 and 2000. The objective of this project was to create a training center in ophthalmology for the Faculty of Medicine of Huanuco. Because of political reasons, this project aborted in 2001
- ✓ Expert in “Kenniscentrum voor de Gezondheidszorg” regarding:
  - Good clinical practice in Ophthalmology for the use of endothelial cell count, use of OCT
  - Clinical satisfaction of refractive surgery

## 3. Attendance at international congresses, courses and symposia

The average frequency of attendance to international congresses is about 10. Priority is given to these congresses in which I am involved as member of the Board.

## 4. Attendance at Belgian meetings and postgraduate courses

- ✓ Yearly spring meeting of the *Belgisch Oogheelkundig Gezelschap* (BOG)
- ✓ Yearly spring meeting of the *Belgian Society of Cataract and Refractive Surgeons* (BSCRS)
- ✓ Yearly annual fall meeting of the Belgian scientific societies (OB)
- ✓ Monthly evening meeting of the interuniversity postgraduate courses (RUG–KUL–VUB–UA)
- ✓ Monthly evening meeting of the *Antwerpse Refereeravonden* (UZA–AZM) held at the University of Antwerp (from 1991 until 2000)
- ✓ Antwerp cycle of ethics and economics: 4 meetings per year: collaboration between UZA–AZM–Monica–St-Augustinus (from 2001 until present)

## 5. Training outside Belgium

8 programmes in the field of retinal detachment and vitreo-retinal surgery (1985–2002)

## 6. Clinical experience

### 6.1 Surgery

Ophthalmic surgeon since 1985 with personal participation of 59 % of total surgical activities of the ophthalmic operating rooms. Initial training in vitreo-retinal surgery and retinal detachment (1985–1992). Since 1992 the surgical activity has been oriented towards cataract surgery, corneal surgery and vitreo-retinal surgery in decreasing order of importance in surgical volume.

### 6.2 Evolution of the financial income of the Department of Ophthalmology

Increase of the total income between 2013 and 2016

## **7. Research projects**

### **7.1 In collaboration with pharmaceutical companies or institutes**

37 projects have been conducted between 1984 and 2016

### **7.2 In collaboration with the European Union**

6 projects have been conducted between 1992 and 2016

## **8. Lectures (National & International) (1978–2016)**

total number of lectures: 481

## **9. Educational activities**

### **9.1 Belgian postgraduate educational courses (1984–2016)**

40 courses

### **9.2 Supervision of medical students for their master degree (1986–2016)**

45 projects

### **9.3 Educational activities at the Faculty of Medicine**

- ✓ Educational programme of medical students (part ophthalmology) from 1985 until present
- ✓ Educational programme of residents in ophthalmology from 1991 until present
- ✓ Educational programme at postgraduate level from 1991 until present

### **9.4 Continuous medical education at international meetings (1998–2016)**

32 courses and wetlabs at the meetings of the *European Society of Cataract and Refractive Surgery* (ESCRS), the *American Society of Cataract and Refractive Surgery* (ASCRS) and the *American Academy of Ophthalmology* (AAO).

### **9.5 Education for paramedicals and related occupations (1998–2007)**

Lectures given in 3 programmes for paramedicals

### **9.6 Promotor of doctoral theses**

- ✓ Posterior capsule opacification. Search for a therapy. (Van Tenten Yasmine, MD) (2002)
- ✓ On the wavefront aberrations of the human eye and the search for their origins. (Rozema Jos, MSc) (physicist) (2004)
- ✓ Prevention of posterior capsule opacification by new surgical techniques and a new intraocular lens design. (De Groot Veva, MD) (2005)
- ✓ Electronic Ophthalmoscopy: Functional 4D imaging of the retina. (Van de Velde Frans, Dr) (2009)
- ✓ Corneal cross-linking and keratoconus. The change in treatment paradigm of keratoconus. (Koppen Carina, Dr) (2012)
- ✓ Promotor to obtain the “Diplôme d’habilitation à diriger les recherches” with subject “Optique Clinique de l’oeil” (Gobin Laure, MSc, University of Lille) (2012)
- ✓ Limbal stem cell transplantation for the treatment of limbal stem cell deficiency. (Zakaria Nadia, Dr.) (2013)

- ✓ Statistical evaluation of multiple-choice assessments” “Development and validation of a statistical analysis method to monitor the European Ophthalmology exit examination, and evaluation of examination questions and methods. (Mathysen Danny, MSc) (2013)
- ✓ Eye model for keratoconus. (Ruiz Hidalgo Irène) (PhD student) (2014)
- ✓ Deontological, ethical and legal implications of the management of medical information of the patient in a digital environment” ; Promoters: Prof. dr. M.-J. Tassignon, Prof. T. Van Sweevelt, Prof. P. Cras (Luyten Léon, Dr) (in progress 2014)
- ✓ Tissue engineering in Ophthalmology: Regenerating the Anterior Cornea using Self-Aligning Human Recombinant Collagen nano-scaffolds and Corneal Epithelial Stem Cells (Dr. Michel Haagdoorns)
- ✓ Development of a biomimetic cornea using corneal derived mesenchymal stem cells (Steffi Mathysen)

## 9.7 Master thesis master after master program

- ✓ Luc Van Os: Bag-in-the-lens outcome in patients with uveitis (2013)
- ✓ Marlies Weyns: Visual outcome after Descemet Stripping Automated Endothelial Keratoplasty in Fuchs’ dystrophy. (2013)
- ✓ Liselotte Aerts: A Novel Trabeculectomy Technique, The Iridenflip Technique (2013)
- ✓ Silke Helsen: Incidentie van glaucoom na cataractchirurgie bij kinderen (2016)
- ✓ Sien Jongenelen: De verdeling van lenssterkte in vivo in functie van leeftijd (2016)

## 10. Publications (1979–2017)

total number of peer reviewed publications: 280

## 11. Books

24 chapters in 22 books

## 12. Published abstracts (1982–2016)

total number of abstracts: 149  
 number of abstracts in abstractbook: 117  
 number of abstracts in an international journal: 32

## 13. Posters (1987–2016)

36 posters in national and international meetings

#### 14. Scientific videos (1999–2016)

31 scientific videos of which 6 awards

#### 15. PhD thesis

**Subject:** Laser photocoagulation in retinal tissue  
**Promotors:** Prof. dr. J.A. Oosterhuis, *Rijksuniversiteit Leiden* (ophthalmologist)  
Prof. dr. G.F.J.M. Vrensen, *Interuniversitair Oogheelkundig Instituut Amsterdam* (oculomorphologist)  
Prof. dr. M. Brihaye-Van Geertruyen, *AZ VUB Brussel* (ophthalmologist)  
Prof. dr. A.C. Breebaert, *Universiteit Amsterdam* (ophthalmologist)  
Prof. dr. W. Luyendijck, *Rijksuniversiteit Leiden* (neurologist)  
**Defended:** This doctoral thesis has been defended in Leiden on October 11th, 1990

#### 16. Fund raising (1989–2016)

Participation at 56 projects, funded by the Funds for Research in Ophthalmology, European Union (Leonardo da Vinci programme – European Science Foundation), National Funds for Scientific Research, Industry.

#### 17. Organisation of scientific meetings (1991–2016)

90 meetings of which 14 ESCRS Annual meetings and 14 ESCRS Winter meetings APAO meetings and 2 WOC meetings

#### 18. Chair / panelist of sessions (1993–2016)

194 sessions mainly in international meetings

#### 19. Editorial board and reviewer

##### REVIEWER

- ✓ Reviewer of the Bulletin Société belge d'Ophtalmologie (impact factor: –)
- ✓ Reviewer for Cornea (2009) (impact factor: 1.746)
- ✓ Reviewer for British Journal of Ophthalmology (impact factor: 2.725)
- ✓ Reviewer for Ophthalmic Research (impact factor: 1.562)
- ✓ Reviewer for Journal of Cataract and Refractive Surgery (impact factor: 3.020), common journal of the American Society of Cataract and Refractive Surgery (ASCRS) and the European Society of Cataract and Refractive Surgeons (ESCRS)
- ✓ Reviewer for Journal of Refractive Surgery (JRS) (2013) (impact factor: 2.474)

##### EDITOR

- ✓ Editor of the BSCRS/SOBEVECO journal (ended 2002) (impact factor: –)

- ✓ Member of the Editorial board of Lasers in Medical Science, Saunders Company (ended 2002) (impact factor: –)
- ✓ Member of the Editorial board of Dialoog: Nederlands tijdschrift voor oogheelkunde (ended 2000) (impact factor: –)
- ✓ Member of the Editorial board of Comprehensive Ophthalmology Update (impact factor: –),
- ✓ Member of the Editorial board of Ophthalmosurgery (impact factor: –)
- ✓ Member of the Editorial board of Journal of Optometry (impact factor: 0.578)
- ✓ Member of the Editorial Board of Ophthalmologica (2009) (impact factor: 1.412)
- ✓ Member of the Editorial advisory panel of the European Medical Journal of Ophthalmology (2012) (impact factor: –)
- ✓ Member of Editorial Board of Asian Pacific Journal of Ophthalmology (APJO) (impact factor: –)
- ✓ Member of the advisory board of the Journal of Ukrainian Ophthalmology
- ✓ Member of Editorial board of Ophthalmologica (impact factor: –)
- ✓ Section editor (Review/Update) of the Journal of Cataract & Refractive Surgery JCRS (impact factor: 3.020)
- ✓ Member of Editorial board of Ocular Surgery News Europe (OSN) (2014) (impact factor: –)
- ✓ Member of Editorial board of Ophthalmic Research
- ✓ Member of Editorial board of Archives of Ophthalmology of Ukraine (2015)
- ✓ Member of Editorial board APJO (Asian pacific Journal of Ophthalmology) (2016-2020)
- ✓ Member of Editorial board of Journal of EU Cornea (2016)

## 20. Patents

- ✓ American Patent n° 6,027,531 for the design of a new type of intraocular lens for the prevention of posterior capsule opacification
- ✓ American Patent n° 6,200,342 for the design of an intraocular lens with accommodative properties for phakic patients with refractive disorders
- ✓ European Patent 00940679.4-2310-PCT/1202684 (UK: 2K266BG0, The Netherlands: 2K266NL0, Germany: 2K266DE0) for an intraocular lens with accommodative properties for phakic patients with refractive disorders
- ✓ European Patent EP 0 916 320 A3 for an intraocular lens and method for preventing secondary opacification (accepted March 18th, 2004)
- ✓ European Patent 98 119 336.0 – 2310 (Ref: 1830/2D739-EP) for an intraocular lens (Belgium, Germany, France, Italy, The Netherlands and Sweden)
- ✓ American Patent 11/110.463. Bag-in-the-lens intraocular lens with removable optic
- ✓ American Patent 11/656.136. Bag-in-the-lens intraocular lens with removable optic and accommodative properties
- ✓ Lithuanian Patent LT5694B. Capsular ring for stabilisation of the anterior capsule of the lens

## 21. Development of instruments

- ✓ Tassignon capsulorhexis caliper: Duckworth and Kent, 9-675 (straight) and 9-675-1 (curved), 2001
- ✓ Tassignon Alcohol chamber, Duckworth and Kent P2855 (A), P2856 (A), P2857 (A), 2003
- ✓ Tassignon ring caliper positioner SH-7017 (Eye Technology), 2003
- ✓ Eye cage for limbal centration (Eye Technology), 2005
- ✓ Bean shaped rings for bag-in-the-lens support in presence of loose zonules or damaged lens capsule (Morcher – Germany)



## 22. Awards

- ✓ Honorary member of the *Instituto Barraquer* (Barcelona) (2002)
- ✓ Kritzinger award of the *African Society of Refractive Surgery* (2003)
- ✓ Golden medal award for innovation of the *Indian Academy of Ophthalmology* (2006)
- ✓ Member of *Academia Ophthalmologica Internationalis* (2006)
- ✓ *American Academy of Ophthalmology's Achievement Award* (2007)
- ✓ Member *European Academy of Ophthalmology* (2007)
- ✓ Mark Tso Award at the International Symposium of Ophthalmology (Hong Kong) (2007)
- ✓ Alumni Pretoria University – Republic of South Africa (2008)
- ✓ Keynote Lecture at SOE 2009, Amsterdam (June 2009)
- ✓ Member of the Royal Academy of Medicine in Belgium (“Koninklijke Academie voor Geneeskunde van België” KAGB)
- ✓ Member of the Royal Academy of Medical Sciences of Belgium (2009)
- ✓ Poster prize at OB 2009 for “Customized iris repair”
- ✓ Best Paper of Session at ASCRS-ASOA 2010 Meeting (Boston)
- ✓ Binkhorst Medal Lecture – ESCRS – Vienna (2011)
- ✓ Foreign Full Member of the National Academy of Medical Sciences of Ukraine on the specialty Ophthalmology (May 23, 2012)
- ✓ Recognition of educational participation on e-learning didactic course, ESCRS 2012, Milan
- ✓ “Honorary Professor” of the State Key Laboratory of Ophthalmology of the Sun Yat-Sen University
- ✓ Honorary member of the Union of Bulgarian Ophthalmologists
- ✓ Videocataractarefrattiva 2013: “the best video recorded live award”. Milan, Italy
- ✓ Norman Galloway award, Nottingham University, United Kingdom (2014)
- ✓ Honorary guest 27th International Congress of German Ophthalmic Surgeons, DOC Nürnberg (May 15-17, 2014)
- ✓ Visiting Professor at Harvard University, Massachusetts Eye and Ear infirmary, Boston
- ✓ Norman Galloway award, Nottingham University (2014)
- ✓ Visiting Professor in Cataract Surgery – Harvard Medical School, Department of Ophthalmology
- ✓ *Academia Ophthalmologica Internationalis* lecturer 2015
- ✓ EBO Peter Eustace medal 2015
- ✓ Advanced cases of Bag-in-the-Lens implantation using bean shaped rings in or out of the capsular bag: best paper of cataract session “Challenging cases” during American Society of Cataract and Refractive Surgery (San Diego)
- ✓ Montgomery lecture at the Royal College of Surgeons delivered by the Irish Council of Ophthalmology
- ✓ Recipient of the Tadeusz Krwawicz Gold Medal at the World Congress of Ophthalmology in Guadalajara, Mexico
- ✓ Médaille d'or de la société marocaine d'ophtalmologie, Marrakech
- ✓ Ophthalmic Research Award, at EVER (Nice)
- ✓ APAO Achievement Award (2017)

## 23. Accreditation

The Department of Ophthalmology of the Antwerp University Hospital is accredited by the following boards

- ✓ European Board of Ophthalmology (since 2004)
- ✓ European Vision Institute Clinical Research Network (since 2006)
- ✓ Laboratory of animal experiments (2013)
- ✓ EU Committee of the regions (COR) – Arbitration doctor concerning list of independent doctors (2015)
- ✓ GMP approved laboratory of ophthalmology for delivery of cultured stem cells (FAGG approved) (2015)