

CURRICULUM VITAE



PERSONAL INFORMATION

Name PAREKH MOHIT
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Nationality Indian
Date of birth 21ST JUNE 1988

WORK EXPERIENCE AND TRAINING

- **Dates (from – to)** April 2011 – Present
- **Name and address of employer** The Veneto Eye Bank Foundation (FBOV), Via Paccagnella 11, Zelarino, Venice, Italy
- **Type of business or sector** Ophthalmic research organization and eye bank
- **Occupation or position held** *Researcher and Project Manager*
- **Main activities and responsibilities**
 1. Eurobio, France – R&D of corneal preservation medium.
 2. University of Parma, Parma, Italy – Retinal tissue evisceration for ARMD.
 3. Bruno Pharmaceuticals, Italy – R&D of therapeutic contact lens.
 4. International Center for Ocular Physiopathology (ICOP), FBOV, Italy – R&D of a novel *SubHyS* technique for DMEK lenticule preparation.

- **Dates (from – to)** August 2010 – March 2011
- **Name and address of employer** Institute of human genetics, International centre for life, Newcastle upon Tyne, UK
- **Type of business or sector** Research centre
- **Occupation or position held** *Researcher*
- **Main activities and responsibilities**
 1. Bioprocessing of human limbal stem cells (HLSCs).

- **Dates (from – to)** August 2009
- **Name and address of employer** Bisleri International Pvt. Ltd., Mumbai, Maharashtra, India
- **Type of business or sector** Packaged drinking water industry
- **Occupation or position held** *Trainee for microbiological and chemical analysis in quality control and assurance*
- **Main activities and responsibilities**
 1. To perform chemical and microbiological analysis of raw and packaged drinking water.
 2. Quality assurance of the raw and final product on site.

- **Dates (from – to)** April 2009 - August 2009
- **Name and address of employer** Asoj Soft Caps Pvt. Ltd., Baroda, Gujarat, India
- **Type of business or sector** Pharmaceutical company
- **Occupation or position held** *Supervisor in manufacturing and production department*
- **Main activities and responsibilities**
 1. Manufacturing of capsules under high specifications, development of new processes refining the existing ones, planning and supervision of process trials in laboratory, pilot plant and factory. Scaling up the production process via plant trials, making changes to raw materials, components and process parameters to ensure quality during large-scale production.

EDUCATION

- **Dates (from – to)** May 2010 – August 2010
- **Name and type of organization providing education and training** International Center for Life, Newcastle upon Tyne, UK
- **Principal subjects/occupational skills covered**
 1. HLSC culture, maintenance and long term preservation.
 2. To study the effect of hypoxia and cryopreservation.
 3. To design and develop isolators for culturing and transporting HLSCs.

- **Title of qualification awarded** Master of Science in Industrial and Commercial Biotechnology - Dissertation

- **Dates (from – to)**
- **Name and type of organisation providing education and training**
- **Principal subjects/occupational skills covered**

September 2009 – August 2010
Newcastle University, Newcastle upon Tyne, UK

Theory and Practical: Microbial search and discovery, genetically modified organisms: food and agriculture, gene technology, modeling and control in bioprocess systems, medical biotechnology and enterprise, genetic modification and cloning of animals, bioremediation and bioinformatics.

- **Title of qualification awarded**

Master of Science in Industrial and Commercial Biotechnology [Merit / 2:1]

- **Dates (from – to)**
- **Name and type of organisation providing education and training**
- **Principal subjects/occupational skills covered**

June 2006 – April 2009
K.J. Somaiya College of Science and Commerce, Mumbai University, Mumbai, India

Industrial biotechnology, cell & tissue culture, microbiology, genetics, cell biology, bioinformatics, genetic engineering, food & enzyme technology

- **Title of qualification awarded**

Bachelor of Science in Biotechnology [First Class]

PERSONAL SKILLS AND COMPETENCES

LANGUAGES KNOWN

- **Reading skills**
- **Writing skills**
- **Verbal skills**

ENGLISH, ITALIAN, HINDI, MARATHI, GUJARATI

EXCELLENT [ENGLISH, HINDI, MARATHI, GUJARATI], BASIC FOR ITALIAN
EXCELLENT [ENGLISH, HINDI, MARATHI, GUJARATI], BASIC FOR ITALIAN
EXCELLENT [ENGLISH, HINDI, MARATHI, GUJARATI], BASIC FOR ITALIAN

EXTRA CURRICULAR ACTIVITIES

1. *Workshop with Jayne Weiss on Corneal Dystrophies, 2012, Venezia, Italy*
2. *General course on intellectual property rights from WIPO, 2011, Geneva, Switzerland (Distance learning certificate)*
3. *Stem cell ethics and policy online training – University of Wisconsin–Madison (U.S.A), 2011 (Distance learning: Overall result – 100%)*
4. *MGC students workshop 2010, Cologne, Germany*
5. *Bioprocessing for Advanced Therapies regener8 workshop 2010, Manchester incubator company, UK*
6. *NU enterprise 2010 program for business development, Newcastle University, UK. (Duration - 3 months)*

ORGANIZATIONAL SKILLS AND COMPETENCES

National Symposium on Genomics, Proteomics and Systems Biology at Indian Institute of Science, 2008, Bangalore, INDIA.

TECHNICAL SKILLS AND COMPETENCES

MS Office and basics of hardware and computer networking from HCL (Hindustan Computers Limited) – CDC, *Mumbai, India*
Laser Scanning Confocal Microscopy – FBOV, Italy
Slit Lamp examination, Pachymetry and Optical Coherence Tomography – FBOV, Italy
Handling, isolation and preservation of human ocular tissues – FBOV, Italy

ARTISTIC SKILLS AND COMPETENCES

Classical singing, acoustic guitarist and dhol player.

ADDITIONAL INFORMATION

Peer Review:

Guest peer reviewer for PLOS ONE

International Memberships:

Association for Research in Vision and Ophthalmology (ARVO), 2011 – Current, U.S.A
European Association for Vision and Eye Research (EVER), 2012 – 2013, Belgium
European Society of Cornea and Ocular Surface Disease Specialists (EuCornea), 2012- 2013, Dublin, Ireland

International Social Memberships:

Member of Jain Samaj (Indian Community), 2010 – Present, *Manchester, UK*

Educational Credits:

21 AMA PRA Category I Credits, *ARVO, 2012, Fort Lauderdale, Florida, USA*
12 CME credits, *EuCornea, 2012, Milan, Italy*
21 ECMEC, *EVER, 2012, Nice, France*
12.25 AMA PRA Category I Credits, *ARVO, 2013, Seattle, Washington, USA*
21 ECMEC, *SOE, 2013, Copenhagen, Denmark*

Teaching Experience:

KalraShukla Classes (Private Coaching), 2007-2008, Mumbai, India
Biology tutor for XI and XII grade and invigilator for biology, chemistry and physics.

Research papers:

1. [Mohit Parekh](#), Stefano Ferrari, Gianni Salvalaio, Diego Ponzin. Synthetic Vs Serum based medium for corneal preservation in organ culture: a comparative study between two different media. *Journal of Ophthalmology* (Submitted – Under peer review)
2. [Mohit Parekh](#), Gianni Salvalaio, Stefano Ferrari, Marie-Claude Amoureux, Cecile Albrecht, Denis Fortier, and Diego Ponzin. A quantitative method to evaluate the donor corneal tissue quality used in a comparative study between two hypothermic preservation media. *Cell Tissue Bank* (Submitted – Revision)
3. Cristina Monterosso, Luigi Caretti, Silvia Babighian, Alfonso Zampini, Elisabetta Böhm, [Mohit Parekh](#) and Alessandro Galan. Effect of Intralase 60 kHz and 150 kHz femtosecond lasers on anterior and posterior corneal stromal bed surfaces: A comparative study. *ISRN Ophthalmology* (2013), Article ID 971451, 6 pages <http://dx.doi.org/10.1155/2013/971451>
4. D. Camposampiero, S. Grandesso, E. Zanetti, S. Mazzucato, M. Solinas, [M. Parekh](#), A.C. Frigo, M. Gion, D. Ponzin. Evaluation of the HB&L system for the microbiological screening of storage medium for organ-cultured corneas. *Journal of Ophthalmology* (2013), Article ID 670947, 5 pages <http://dx.doi.org/10.1155/2013/670947>
5. [Mohit Parekh](#), Stefano Ferrari, Alessandro Ruzza, Mariarosaria Pugliese, Diego Ponzin, Gianni Salvalaio. A portable device for measuring donor corneal transparency in eye banks. *Cell Tissue Bank*. 2013 Apr 27. [Epub ahead of print] [PMID: 23625054]
6. [Mohit Parekh](#), Gianni Salvalaio, Stefano Ferrari, Anna Chiara Frigo, Carlo Griffoni, Andrea Grassetto, Alessandro Ruzza, Davide Camposampiero and Diego Ponzin. Effect of post-mortem time on the quality of the donor cornea during preservation and after transplantation. *Cornea*. 2013 Jun;32(6):842-6. [PMID: 23538616]
7. Barbaro V, Nardiello P, Castaldo G, Willoughby CE, Ferrari S, Ponzin D, Amato F, Bonifazi E, [Parekh M](#), Calistri A, Parolin C, Di Iorio E. 2012. A novel de novo missense mutation in TP63 underlying germline mosaicism in AEC syndrome: Implications for recurrence risk and prenatal diagnosis. *Am J Med Genet A*. 2012 Aug;158A(8):1957-61 Epub 2012 Jun 27. [PMID: 22740388]
8. Barbaro V, Confalonieri L, Vallini I, Ferrari S, Ponzin D, Mantero G, Willoughby CE, [Parekh M](#), Di Iorio E. Development of an allele-specific real-time PCR assay for discrimination and quantification of p63 R279H mutation in EEC syndrome. *J Mol Diagn*. 2012 Jan;14(1):38-45. Epub 2011 Nov 4. [PMID: 22056627]

Review articles:

1. [Mohit Parekh](#), Gianni Salvalaio, Alessandro Ruzza, Davide Camposampiero, Carlo Griffoni, Alfonso Zampini, Diego Ponzin, Stefano Ferrari. Posterior Lamellar Graft Preparation: A Prospective Review from an Eye Bank on Current and Future Aspects. *Journal of Ophthalmology* (2013), Article ID 769860, 7 pages, doi:10.1155/2013/769860 [PMID: 23819041]
2. [Mohit Parekh](#), Stefano Ferrari, Enzo Di Iorio, Vanessa Barbaro, Marina Bertolin, Barbara Ferrari and Diego Ponzin. Targeting corneal disorders with gene therapy. *Expert Review of Ophthalmology*. 2012 7(4):351-362
3. [Mohit Parekh](#), Roly Megaw, Anirban Ray-Chaudhuri and Sajjad Ahmad. Patents in Limbal Stem Cell Biology. *Recent patents on Regenerative Medicine*. 2011 1(2):207-212

Book chapters:

1. Vanessa Barbaro, Stefano Ferrari, [Mohit Parekh](#), Diego Ponzin, Cristina Parolin and Enzo Di Iorio. Laser Scanning Confocal Microscopy: Application in manufacturing and research of corneal stem cells. In: Neil Lagali. *Confocal Laser Microscopy - Principles and Applications in Medicine, Biology, and the Food Sciences*. ISBN: 978-953-51-1056-9.
2. Haifa Ali, Charles Osei-Bempong, Ani Ray-Chaudhuri, Bakiah Shaharuddin, Arianna Bianchi, [Mohit Parekh](#) and Sajjad Ahmad. Controversies in corneal epithelial stem cell biology. In: Kursad Turksen. *Adult and Embryonic Stem Cells*. Springer 103-117 (2012)

Video article:

1. [Parekh, M.](#), Ferrari, S., Iorio, E. D., Barbaro, V., Camposampiero, D., Karali, M., Ponzin D., Salvalaio G. A Simplified Technique for In situ Excision of Cornea and Evisceration of Retinal Tissue from Human Ocular Globe. *J. Vis. Exp.* (64), e3765, DOI: 10.3791/3765 (2012). [PMID: 22733120]

Oral presentations:

1. Mohit Parekh. "Submerged Hydro-Separation for the Preparation of Descemet Membrane Endothelial Keratoplasty Donor Tissue". *Cornea Society Fall Educational Symposium*, New Orleans, Louisiana, U.S.A. November 15th 2013
2. Mohit Parekh. "Ultrathin grafts for Descemet stripping automated endothelial keratoplasty (DSAEK)". *European Society of Ophthalmology (SOE)*, Copenhagen, Denmark. June 8th – 11th 2013
3. Diego Ponzin, Gianni Salvalaio, Stefano Ferrari, Marie-Claude Amoureux, Cecile Albrecht, Denis Fortier, Mohit Parekh. "A quantitative method to evaluate donor corneal tissue quality used to study the difference between two hypothermic storage media". *Eye Bank Association of America (EBAA)*, Chicago, U.S.A. June 5th – 8th 2013
4. Diego Ponzin, Mohit Parekh. "A novel objective method to evaluate the overall quality of corneal tissue used for comparative study between two hypothermic preservation media". *European Eye Bank Association (EEBA)*, Zagreb, Croatia. January 18th -19th 2013
5. Mohit Parekh. "CorneaCold[®] VS Optisol-GS: A comparative study of a new hypothermic storage medium using a novel method to calculate the overall quality of the cornea". *Società Italiana Banche degli Occhi (SIBO)*, L'Aquila, Italy. November 24th 2012
6. Mohit Parekh. "A new and quantitative method to evaluate the overall quality of corneal tissues for clinical applications and research testing". *European Association for Vision and Eye Research (EVER)*, Nice, France. October 10th – 13th 2012
Citation: PAREKH, M. (2012), A new and quantitative method to evaluate the overall quality of corneal tissues for clinical applications and research testing. *Acta Ophthalmologica*, 90: 0. doi: 10.1111/j.1755-3768.2012.2268.x
7. Mohit Parekh. "Bioprocessing of human limbal stem cells". Biocair, Cambridge and Newcastle BBTC, Newcastle University, Newcastle upon Tyne, UK. October 8th 2010

Poster presentations:

1. Adriano Fasolo, Davide Camposampiero, Stefano Ferrari, Mohit Parekh, Gianni Salvalaio, Diego Ponzin. "A standardized technique for excision and storage of high quality human retinal tissues". *European, Middle Eastern and African Society for Biopreservation and Biobanking (ESBB)*, Verona, Italy. October 8th -11th 2013
2. Bruno Tschirret, Mohit Parekh, Diego Ponzin, Nadine Martinet, and Marie-Claude Amoureux. "DNAQual: an index of human DNA quality validated in different degradation models". *9th European Cytogenetics Conference*, Dublin, Ireland. June 29th - July 2nd 2013
3. Mohit Parekh. "A quantitative approach to evaluate the overall quality of cornea used in a comparative study between two hypothermic storage media". *Association for Research in Vision and Ophthalmology (ARVO)*, Seattle, Washington, U.S.A. May 5th – 9th 2013
Citation: Invest Ophthalmol Vis Sci 2013;54: E-Abstract 3066.
4. Mohit Parekh, Marie-Claude Amoureux, Cecile Albrecht, Denis Fortier, Stefano Ferrari, Gianni Salvalaio, Diego Ponzin. "A quantitative approach to evaluate the overall quality of cornea in cold storage demonstrates that CorneaCold is superior to Optisol-GS". *European Society of Cornea and Ocular Surface Disease (EUCornea)*, Milan, Italy. September 6th – 8th 2012
5. Mohit Parekh, Stefano Ferrari, Enzo Di Iorio, Vanessa Barbaro, Davide Camposampiero, Diego Ponzin and Gianni Salvalaio. "A new device to measure the objective values for transparency of the donor cornea". *Association for Research in Vision and Ophthalmology (ARVO)*, Fort Lauderdale, Florida, U.S.A. May 6th – 10th 2012
Citation: Invest Ophthalmol Vis Sci 2012;53: E-Abstract 3071.