

**PD Dr EKTORAS HADJIPANAYI, MD PhD**

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DOB: 7 JANUARY 1983



## **EDUCATION**

April 2018

Private Clinic for Plastic & Aesthetic Surgery, Voula, Athens

March 2018

Private Clinic for Plastic & Aesthetic Surgery, Kolonaki, Athens

Nov. 2017

**Fellowship in Aesthetic Plastic Surgery,  
Dreifaltigkeits-Krankenhaus Wesseling (Dr. D. Richter),  
Germany**

Sept. 2017

**Fellowship in Aesthetic Plastic Surgery, Akademikliniken  
(Dr. P. Heden), Stockholm, Sweden**

Feb 2016

**Fellowship in Aesthetic Plastic Surgery, Praxis  
Dr.med. C.Neuhann-Lorenz, Munich**

### **Aesthetic Surgery Training Courses:**

Facial Aesthetic Surgery: Dissection Course for Surgeons  
The Royal College of Surgeons of Edinburgh (Nov 2016)

Advanced Aesthetic Surgery of the Face Masterclass,  
Dr.G.Botti, Dr. M.P.Ceravolo, Vienna (Nov 2016)

Rhinoplasty, Malaroplasty, Otoplasty, Cheiloplasty Masterclass

	Dr.G.Botti, Dr. M.P.Ceravolo, Vienna (Oct 2016)
	International Meeting of Rhinoplasty Societies (IMRHIS), Versailles (Sep 2016)
	University of Lausanne Facial Aesthetic Surgery Dissection Course, Dr. G. Botti, Dr. Y. Saban (July 2016)
	Villa Bella Clinic Bottis Best Breast Course Dr. G. Botti, Salo (June 2016)
	Beauty Through Science, Dr. P. Hedén, Stockholm (May 2016)
	24th Stuttgart Advanced Course for functional & Aesthetic Rhinoplasty, Prof. Dr. W.Gubisch (April 2016)
	5th Secondary Optimizing Aesthetic Surgery Course, Dr. C.Heitmann, Munich (Nov 2015)
Feb 2016	<b>Habilitation in Plastic Surgery, Klinikum rechts der Isar, Technical University of Munich</b>
Jan 2011	<b>Training in Plastic &amp; Reconstructive Surgery, Bogenhausen Hospital, Munich, Chief Prof.M.Ninkovic</b> <i>Hospital: Dr med.D.F.Richter Krankenhaus Wesseling, May 2012</i>
Feb 2010	<b>Training in Vascular Surgery, Addenbrooke's Cambridge University Hospital, UK</b>
Jun 2009	<b>Training in General Surgery (Upper Gastrointestinal, Breast), Hinchinbrooke's Hospital,UK</b> <i>-National Diabetes Audit at Hinchinbrooke Hospital, NHS Trust</i> <i>-Audit for Diabetes Education of Foundation Doctors, Hinchin.Hospital</i> <i>- Audit for medical record keeping in department of General Surgery, Hinch.Hospital</i> <i>-Oral presentation: Abdominal Wall Reconstruction after Laparotomy</i>
March 2009	Research internship (3 months) under Prof.Wei Liu in Shanghai Jiaotong University School of Medicine, 9 <sup>th</sup> People's Hospital, Department of Tissue Engineering and Plastic&Reconstructive Surgery, Shanghai,China
Feb 2009	Entrepreneurship course, (Bridge, European Commission, DG Education and Culture), Budapest, Hungary

April 2008	Research internship (3 months) in Institution of Biomedicine and Surgery, Department of Experimental Plastic Surgery, Faculty of Health Science, Linköpings Universitet, Linköping, Sweden
March 2008	‘Understanding Entrepreneurial Management’ MBA Elective at London Business School, UK
April 2007	‘Technology Strategy’ MBA Elective at LBS, UK
March 2007	MA, Cambridge University, UK
Feb 2006	<b>PhD in Biomedical (Tissue) Engineering</b> PhD Supervisor: Prof. R.A. Brown Institute of Orthopaedics and Musculoskeletal Science Division of Surgical Science, Stanmore, UCL, UK
Sep 2003-Dec 2005	<b>Cambridge University Clinical School of Medicine</b>  <i>Public Health field project</i> -Epidemiological implications of primary prevention of smoking and its effect on the NHS budget: Historical analysis and maximization of cost-effectiveness.
Jan-June 2003	Research Project in department of Pharmacology, Cambridge University <i>Role of PIP<sub>2</sub> in Agonist -Stimulated Endocytosis of G Protein-Coupled Receptors</i>
Sept 2000	<b>University of Cambridge, Medicine (BA)</b> MVST 1A (year 1), MVST 1B (year 2), Part II Neuroscience (year 3)
Sept 1997-June 2000	Acropolis Lyceum Final Year Certificate: 97% A-levels in Mathematics (A), Physics (A), Chemistry (A), Biology (A)
Sept 1994-June 1997	Dianellou & Theodotou Gymnasium Final Year Average; 98%

## Publications

### Original Research Papers

Almodumeeagh A., Heidekrueger PI, Ninkovic M, Rubenbauer J, **Hadjipanayi E**, Broer PN.

The MEEK technique: 10-year experience at a tertiary burn centre.

*Int Wound J.* 2016 Aug 4. doi: 10.1111/iwj.12650.

**Hadjipanayi E**, Kuhn PH, Moog P, Bauer AT, Kuekrek H, Mirzoyan L, Hummel A, Kirchhoff K, Salgin B, Isenburg S, Dornseifer U, Ninkovic M, Machens HG, Schilling AF

The Fibrin Matrix Regulates Angiogenic Responses with the Hemostatic Micro-environment through Biochemical Control

*PLoS One.* 2015 Aug 28;10(8):e0135618. doi: 10.1371/journal.pone.0135618

**Hadjipanayi E.**, Schilling A.F

Regeneration through Autologous Hypoxia Preconditioned Plasma

*Organogenesis*, 2014 Apr-Jun;10(2):164-9

**Hadjipanayi E.**, Schilling A.F.

Hypoxia-based Strategies for Angiogenic Induction: The Dawn of a new Era for Ischaemia Therapy and Tissue Regeneration

*Organogenesis*, 2013, Aug 8; 9 (4)

**Hadjipanayi E**, Bauer AT, Moog P, Salgin B, Kuekrek H, Fersch B, Hopfner U, Meissner T, Schlüter A, Ninkovic M, Machens HG, Schilling AF. Cell-free Carrier System for Localized Delivery of Peripheral Blood Cell-Derived Engineered Factor Signaling: Towards Development of a One-Step Device for Autologous Angiogenic Therapy

*J Control Release.* 2013 Jul 10 ;169(1-2):91-102

Alekseeva T, **Hadjipanayi E**, Abou Neel EA, Brown RA.

Engineering Stable Topography in dense biomimetic 3D Collagen Scaffolds

*Eur Cell Mater.* 2012 Jan 29;23:28-40

**E.Hadjipanayi** , Cheema U., Hopfner U., Bauer AT, Moog P, , Machens HG, Schilling AF

Injectable System for Spatio-temporally controlled Delivery of Hypoxia-Induced Angiogenic Signalling

*J Control Release.* 2012, Aug 10:161(3);852-60

**E.Hadjipanayi**, U.Cheema, V.Mudera, D.Deng, W.Liu., R.A.Brown

First Implantable Device for Hypoxia-Mediated Angiogenic Induction

*J Control Release.* 2011 Aug 10;153(3):217-24.

**E.Hadjipanayi**, R.A.Brown, V.Mudera, D.Deng, W.Liu, U.Cheema. Controlling Physiological Angiogenesis by Hypoxia-Induced Signaling. *Journal of Controlled Release*, July, 2010

**E.Hadjipanayi**, M.Ananta, M. Binkowski, I. Streeter, Z.Lu, Z.F.Cui, V.Mudera and R.A Brown. Mechanisms of Structure Generation During Plastic Compression of Collagen Hydrogel Scaffolds: Towards Engineering of Collagen. *J.Tissue Eng Regen Med*, July, 2010

U.Cheema, **E. Hadjipanayi**, N.Tamimi, B.Alp, V.Mudera, R.A Brown.

Identification of Key Factors in Deep O<sub>2</sub> Cell Perfusion for Vascular Tissue-Engineering.  
*Int..J.Artif.Organs.*,2009, 32 (6):318-28.

**Hadjipanayi E.**, Mudera V., Brown R.A. Interface Integration of Layered Collagen Scaffolds: Implications for Sheet-based Tissue Engineering.  
*J Tissue Eng Regen Med* 2009;3:230-241

**Hadjipanayi E.**, Mudera V., Brown R.A. Guiding Cell Migration in 3D by Durotaxis: A Collagen Matrix with Graded Directional Stiffness.  
*Cell Motility and the Cytoskeleton*. 2009; 66:121-128.

**Hadjipanayi E.**, Mudera V., Brown R.A. Close Dependence of Fibroblast Proliferation on Collagen Scaffold Matrix Stiffness.  
*J Tissue Eng Regen Med* 2009; 3:77-84.

## Patents

Device-based methods for localised delivery of cell-free carriers with stress-induced cellular factors (WO 2013113821 A1)

METHODS FOR PRODUCING BIOMATERIALS WITH VARIABLE STIFFNESS (WO/2009/004351)

BIOMIMETIC CELL SCAFFOLDS (WO/2009/136173)

POLYMERIC COLLAGEN BIOMATERIALS (GB0912399.3)

## Abstracts

Durotactic control within a 3D collagen matrix.  
*EUR CELL MATER*, **Volume: 16, Supplement 3**

Effect of matrix stiffness on cellular responses in 3D  
*EUR CELL MATER*, **Volume: 16, Supplement 3**

Interface Integration of Rapidly Engineered Multi-layer Collagen Scaffolds *TISSUE ENGINEERING Volume: 14 Issue: 5, 748-749*

Rapid Engineering of a Biomimetic Skin Substitute *TISSUE ENGINEERING* **Volume: 14 Issue: 5** , 772

Defining Physiological Parameters for Engineering a Vascular Media Model *TISSUE ENGINEERING* **Volume: 14 Issue: 5**

Tissue engineering of skin: Are compressed collagen gels the key to success? *TISSUE ENGINEERING* **Volume: 13 Issue: 7**

Close dependence of fibroblast growth on collagen scaffold matrix Stiffness *TISSUE ENGINEERING* **Volume: 13 Issue: 7**

Engineering and testing 3D stiffness gradients in collagen scaffolds towards durotactic control *TISSUE ENGINEERING* **Volume: 13 Issue: 7**

Modeling fluid kinetics during plastic compression of collagen Scaffolds *REGEN. MED.* (2007) **2(5)**

## Conference Presentations:

-2011 to 2016 Multiple presentations in National & International Conferences as leader of Wound Healing Group, EmaCure Project, at Klinikum rechts der Isar (for more info please visit [www.emacure.org](http://www.emacure.org))

-2010 37th Annual meeting for the Controlled Release Society, Portland, Oregon, US

**Oral Presentation:** Controlling Angiogenic Factor Regulation by Utilising a 3D Collagen Model and Hypoxia-Induced Signalling

-2010 TCES, Manchester, UK

**Oral Presentation:** Controlling Physiological Angiogenesis by Hypoxia-Induced Singaling

-2010 45<sup>th</sup> ESSR Congress, Geneva, Switzerland

**Oral Presentation:** First Implantable Device for Hypoxia-Induced Angiogenic Engineering

-2010 TERMIS-EU, Galway, Ireland

**Oral Presentation:** First Implantable Device for Hypoxia-Induced Angiogenic Engineering

**Oral Presentation:** Engineering Matrix Stiffness in 3D: A Powerful Tool for Regulating Cell Behavior in Tissue Constructs

-2009 ECSAPS, Rotterdam, Netherlands

**Oral presentation:** A Clinically Promising Tissue Engineered Angiogenic Therapy

-2009 TERMIS World Congress, Seoul, Korea

**Oral presentation:** Physiological Induction of Angiogenesis in a 3D Tissue Construct

**Oral presentation:** Topographic Patterning of 3D Collagen Scaffolds:  
From Surface to Interface Engineering

**Poster Presentation:** Defining Parameters for Ultrarapid Fabrication  
of Dense Collagen Scaffolds by Plastic Compression

-2009 TCES, Glasgow, UK

**Oral presentation:** Engineering Angiogenesis by hypoxia-induced  
signalling: Adopting a physiological approach

**Poster Presentation:** Topographic patterning of 3D collagen  
scaffolds: From surface to interface engineering.

-2008 TCES, Nottingham, UK

**Oral Presentation:** 'Durotactic control within a 3D matrix'

-2008 Termis EU, Porto, Portugal

**Oral presentation:** Interface Integration of Rapidly Engineered  
Multi-layer Collagen Scaffolds

**Oral presentation:** Rapid Engineering of a Biomimetic Skin  
Substitute

-2008 8<sup>th</sup> World Biomaterials Congress, Amsterdam

**Poster presentation:** 'Modelling Fluid Kinetics during Plastic  
Compression of Collagen Scaffolds'

-2007 Termis EU, London, UK

**Oral presentation:**

'Close dependence of fibroblast growth on collagen scaffold  
matrix stiffness'

-2007 3<sup>rd</sup> World Congress on Regenerative Medicine,  
Germany

**Poster presentation:** 'Modelling Fluid Kinetics during Plastic  
Compression of Collagen Scaffolds'

-2007 Stem Cell and Tissue Engineering in  
Plastic, Reconstructive and Aesthetic Surgery, Turkey.

**Oral presentation:**

'The Role of Matrix Stiffness on the Rate of Growth of Fibroblasts  
Within 3D Collagen Matrices'

-2007 UKSB King's College, London

**Oral presentation:**

'A Novel 3D Stiffness Gradient Model for Durotactic Control in  
Tissue-Engineered Structures'

## **PRIZES**

Science4Life Prize for EmaCure Project (March 2016)

Funding (€ 598.000) of Exist-Forschungstransfer  
Program from the Bundesministerium für Wirtschaft und Energie  
(BMWi) for the EmaCure Project (April 2015)

TUM Ide Award (€ 25.000) for the EmaCure Projekt (Feb 2014)

German Biotechnology Innovation prize for EmaCure Project,  
Stuttgart (May 2013)

Prize for Best Lecture IPRAS-TA, Athen, Greece (Nov, 2012)

Best Abstract Award & Best Rapid Fire Oral Presentation  
TERMIS-EU, Galway, Ireland (Jun 2010)

Funding of entrepreneurship course in Budapest  
(Bridge, European Commission, DG Education and Culture)  
(Feb 2009)

Funding of 2 MBA electives at London Business School  
(CSEL & UCL) (March 2007, 2008)

PhD Research Funding: EU Framework 6, 3rd generation  
scaffolding for Tissue engineering (013603-3G SCAFF)  
(2006-2008)

Fellow of the Cambridge Commonwealth Society (2001) &  
Commonwealth Trust Scholarship for University fee  
(2000&2003)

Best final year student in High School and Flag holder (1999)

Golden Medal in Pan Cyprian Essay Competition (1999)  
1st place in 13th Pan Cyprian Physics Olympiad (1999)  
School representative in the Greek Youth House of  
Representatives (1999)  
1st place in Pan Cyprian Essay Competition (1998)  
2nd place in Pan Cyprian Art Competition (1997)



## **SKILLS**

**Languages;** Greek, English (O level passed with A), German (C1), French (O level)

**Computer Skills;** Word, Excel, PowerPoint

**Music;** Violin (Advanced Certificate of Royal School of Music), Theory of Music (Grade 7, Royal School of Music).