

Dr EKTORAS HADJIPANAYI, MD PD PhD

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PRIVATE WORK

Sept 2019	Private Clinic for Plastic & Aesthetic Surgery, Nicosia, Cyprus
April 2018	Private Clinic for Plastic & Aesthetic Surgery, Voula, Athens
March 2018	Private Clinic for Plastic & Aesthetic Surgery, Kolonaki, Athens

EDUCATION

July 2018	Fellowship in Aesthetic & Reconstructive Plastic Surgery Toulouse University Hospital (Prof. J.P.Chavoin), France
Dec 2017	Fellowship in Aesthetic Plastic Surgery Dreifaltigkeits-Krankenhaus Wesseling (Dr. D. Richter), NRW, 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, Germany
Jan 2016	Assistant Professor/Privatdozent (PD, Habilitation) in Plastic Surgery, Klinikum rechts der Isar, Technical University of Munich (TUM), Germany

Jan 2011 **Training in Plastic & Reconstructive Surgery**
Bogenhausen Hospital, Munich, Chief Prof.M.Ninkovic
Hospitation: Dr med.D.F.Richter Krankehaus Wesseling,
May 2012

Jan 2010 **Training in Vascular Surgery, Addenbrooke's Cambridge**
University Hospital NHS, UK

June 2009 **Training in General Surgery (Upper**
Gastrointestinal, Breast), Hinchingsbrooke's Hospital,UK
-National Diabetes Audit at Hinchingsbrooke Hospital, NHS Trust
-Audit for Diabetes Education of Foundation Doctors, Hinchings.Hospital
- Audit for medical record keeping in department of General Surgery, Hinch.Hospital
-Oral presentation: Abdominal Wall Reconstruction after Laparotomy

March 2009 Research internship (3 months) under Prof.Wei Liu in Shanghai
Jiaotong University School of Medicine, 9th 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

Jan 2006 - Nov 2010 **PhD in Biomedical - Tissue Engineering, UCL, UK**
ENGINEERING PHYSICAL STRUCTURE IN BIOMIMETIC COLLAGEN
SCAFFOLDS: STRATEGIES FOR REGULATING CELL BEHAVIOR
PhD Supervisor: Prof. R.A. Brown
Institute of Orthopaedics and Musculoskeletal Science
Division of Surgical Science, Stanmore, University College
London (UCL), UK

Sep 2003-Dec 2005

Clinical Training
Clinical School of Medicine, University of Cambridge (UK)

Public Health field project-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 (UK)

*Role of PIP₂ in Agonist -Stimulated Endocytosis of
G Protein-Coupled Receptors*

Sept 2000

Medical Degree (MD), University of Cambridge, UK
MVST 1A (year 1), MVST 1B (year 2),
Part II Neuroscience (year 3)

Sept 1997-June 2000

Acropolis Lyceum, Nicosia, Cyprus

Final Year Certificate: 99%

G.C.E. A-levels in Mathematics (A), Physics (A),
Chemistry (A), Biology (A)

Sept 1994-June 1997

Dianellou & Theodotou Gymnasium, Nicosia, Cyprus
Final Year Average; 98%

Aesthetic & Reconstructive Plastic Surgery Training Courses:

Dallas Cosmetic Surgery and Medicine & Rhinoplasty Meeting
Dr. R.J. Rohrich, Dallas, Texas, USA (March 2018)

Septorhinoplasty and Facial Plastics Course
Newcastle Surgical Training Centre, Freeman Hospital, UK
Dr. D. Toriumi, Dr. O. Gerbault, Dr. A.Jacono (Dec 2017)

The course of Body Lift by Dr.J.F. Pascal
Geneva, Switzerland (July 2017)

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)

Scientific Publications

Original Research Papers

Philipp Moog , Rahmin Schams , Alexander Schneidinger, Arndt F. Schilling,
Hans-Günther Machens, **Ektoras Hadjipanayi** and Ulf Dornseifer
Effect of Hypoxia Preconditioned Secretomes on Lymphangiogenic and Angiogenic
Sprouting: An in Vitro Analysis
Biomedicines 2020, 8, 365; doi:10.3390/biomedicines8090365

Philipp Moog, Maryna Jensch, Jessica Hughes, Burak Salgin, Ulf Dornseifer
, Hans-Günther Machens, Arndt F. Schilling, and **Ektoras Hadjipanayi**
Use of Oral Anticoagulation and Diabetes Do Not Inhibit the Angiogenic Potential of
Hypoxia Preconditioned Blood-Derived Secretomes
Biomedicines 2020, 8(8), 283

Philipp Moog , Katharina Kirchhoff , Sanjar Bekeran, Anna-Theresa Bauer , Sarah
von Isenburg , Ulf Dornseifer, Hans-Günther Machens, F. Schilling and **Ektoras
Hadjipanayi**
Comparative Evaluation of the Angiogenic Potential of Hypoxia Preconditioned
Blood-Derived Secretomes and Platelet-Rich Plasma: An In Vitro Analysis
Biomedicines 2020, 8, 16; doi:10.3390/biomedicines8010016

Ektoras Hadjipanayi, Philipp Moog, Sanjar Bekeran, Katharina Kirchhoff, Andrei
Berezhnoi , Juan Aguirre, Anna-Theresa Bauer, Haydar Kükrek, Daniel Schmauss,
Ursula Hopfner , Sarah Isenburg , Vasilis Ntziachristos, Milomir Ninkovic ,
Hans-Günther Machens, Arndt F. Schilling and Ulf Dornseifer
In Vitro Characterization of Hypoxia Preconditioned Serum (HPS)—Fibrin
Hydrogels: Basis for an Injectable Biomimetic Tissue Regeneration Therapy
J. Funct. Biomater. 2019, 10, 22; doi:10.3390/jfb10020022

Hadjipanayi E, Bekeran S and Moog P
Extracorporeal Wound Simulation as a Foundation for Tissue Repair and
Regeneration Therapies. *Int J Transplant & Plastic Surgery*

Almodumeegh 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.013561

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 O₂ 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

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

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)

Conference Presentations

2019 Aesthetics & Art, Basel, Switzerland

Oral Presentation: The HYPPP-LIFT

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)

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 Signaling

2010 45th 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 8th 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 3rd 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)

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