**CURRICULUM VITAE**

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| NAME  Mariann Pavone-Gyöngyösi | TITEL  Professor, Internal Medicine II, Cardiology |
| ADDRESS | Alfons Petzold Gasse 23  Brunn am Gebirge, A-2345 Austria |
| TELEFON | +43 1 40400 46140 |
| MOBIL | +43 650 9090213 |
| EMAIL | mariann.gyongyosi@meduniwien.ac.at |
| FAMILY | Verheiratet, 2 Kinder |
| CITIZENSHIP | Austrian (since 2002, previously Hungarian) |

**1. Professional education, carrier**

* 1. **Education**

2002 Internist and Cardiologist in Austria

2002 Habilitation (venia docendi) at the Medical University of Vienna

Internal Medicine II, Cardiology

1998 Nostrification of the medical diplom in Austria

1995 Ph.D. at the University of Szeged, Hungary

1994 Cardiologist diplom Hungary

1991 Internist diplom Hungary

1977 – 1984 University Study at the Albert Szent-Györgyi Medical University Szeged, Hungary (Humanmedicine) Promotion “Doctor of Humanmedicine” in 1984

1972-1977 secondary school in Kecskemet, Hungary,

General qualification for university entrance at June 18 1977

* 1. **Academic carrier**

06.Dec. 2017 – Professor at the Dept. Cardiology, Medical University of Vienna, Austria

2015- Honorarprofessor University of Kaposvar, Hungary

2007- Fellow of the European Society of Cardiology (FESC)

2006- European Cardiologist Diploma of the European Society of Cardiology

1999 – 2002 Senior researcher of the Medical University of Vienna, Austria

1998 Research Grant of the European Society of Cardiology, at the Dept. Cardiology, Medical University of Vienna, Austria

1997 Post doc Stipendium in Molecular Biology Labor INSERM U-99 Creteil, France

1996 Pfeiffer Grant of the Austrian Society of Nuclearmedicine, at the Dept. Cardiology, Medical University of Vienna, Austria

1996 Tempus (Trans-European Mobility Programme for University Studies) Individual Mobility Grant of the European Commission at the Dept. Cardiology, Medical University of Vienna, Austria

1995 Hungarian Eötvös Fellowship at the Dept. Cardiology, Medical University of Vienna, Austria

1985 – 1995 Teaching activity at the University of Szeged, Practicum internal medicine and cardiology

* 1. **Clinical positions**

06.Dec. 2017 – Professor at the Dept. Cardiology, Medical University of Vienna, Austria

27. Sept. 2012 – Associate Professor, Internist and Cardiologist at the Dept. Cardiology, Medical University of Vienna, Austria

1. Aug. 2010 – Leader of the Experimental and Clinical Cardiology Research Group at the Dept. Cardiology, Medical University of Vienna, Austria,

1. Aug. 2010 - University lecturer, Internist and Cardiologist at the Dept. Cardiology, Medical University of Vienna, Austria

1.Apr. 2010 – 31. Juli 2010 Internist and Cardiologist at the Dept. Cardiology, University of Garz, Austria,

2002 – März 30 2010 University lecturer, Internist and Cardiologist at the Dept. Cardiology, Medical University of Vienna, Austria

1999 – 2002 Senior researcher at the Dept. Cardiology, Medical University of Vienna, Austria

1995-1999 Fellowships at the Dept. Cardiology, Medical University of Vienna, Austria

1993 – 1995 Senior physician at the 2nd Dept. of Internal Medicine, at the Albert Szent-Györgyi Medical University Szeged, Hungary

1985 – 1993 Assistant physician at the 1st Dept. of Internal Medicine at the Albert Szent-Györgyi Medical University Szeged, Hungary

***1.3.1. Clinical research fellowship***

1988-1990 J. W. Goethe University, Cardiology, Frankfurt am Main, Germany (Prof. Kaltenbach)

**2. Supervision of diplom work of medical students**

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| --- | --- | --- | --- | --- | --- |
|  | **First name** | **Surname** | **THEMA** | **Completed** | **NOTE** |
| 1 | Vladimir | Ignjatovic | Cost effectiveness of the percutaneous intervention with Taxus drug eluted stent in patients with multivessel coronary artery disease: Comparison with aortocoronary bypass operation | 28.11.06 | good |
| 2 | Silvia | Charwat | Combined Intramyocardial and Intracoronary Administration of Autologous Bone Marrow Stem Cells in Patients after Acute Myocardial Infarction | 26.06.07 | excellent |
| 3 | Bernhard | Jäger | stammzellentherapie bei ischämischer kardiomyopathie. | 04.12.08 | excellent |
| 4 | Armin | Belarmino | Long-Term Results of Stenting of In-Stent Restenosis with Drug-Elutin Stents with Cypher versus Taxus. | 29.10.09 | excellent |
| 5 | Hani | Hemetsberger | In vivo tracking of autologous stem cells injected into failing porcine myocardium | 20.11.09 | excellent |
| 6 | Andreas | Bernhart | Effects of new passive-coated intracoronary stent systems on neointimal hyperplasia and restenosis. | 25.02.10 | excellent |
| 7 | Jürgen | Czink | The treatment of coronary artery disease with new drug eluting stent in 63 patients and its benefit evaluated by a retrospective analysis of angiographic and clinical data at the Department of Cardiology of the Medical University of Vienna - a pilot study | 29.04.10 | good |
| 8 | Verena | Spießlechner | Stem cell therapy in patients with ischemic cardiomyopathy. A prospektive, non-randomized study | 27.05.10 | excellent |
| 9 | Ronaldo Roque | Jacob | Combined (Myocardial and Intracoronary) Application of Autologous Bone Marrow Derived Stem Cells in Patients with Ischemic Cardiomyopathy. | 10.06.10 | excellent |
| 10 | Ahmad | Salem Ahmed | Comparison of angiographic outcome of Cypher and Taxus stents implanted in the same patient | 24.06.10 | excellent |
| 11 | Barbara | Braun | Gegenüberstellung der Komplikationen unter der Antikoagulation mit Bivalirudin und unfraktioniertem Heparin bei der perkutanen koronaren Intervention: retrospektive Datenanalyse | 15.07.10 | excellent |
| 12 | Katharina | Leibl | Xience V for Prevention of Restenosis: A Retrospective Explorative Data Analysis of 70 Patients at the Medical University of Vienna, Department of Cardiology | 19.08.10 | excellent |
| 13 | Stefan | Stockreiter | Meta- analysis of human stem cell studies for cardiac regeneration | 24.02.11 | excellent |
| 14 | Jasmin | Voitl | New assays of haemostasis and anticoagulation in patients with coronary artery disease - Evaluation of the overall haemostatic potential (OHP) assay in patients undergoing invasive coronary procedures | 22.06.11 | excellent |
| 15 | Ernst Niklas | Gieseking | Long-term follow-up of patients treated with cardiac stem cell therapy | 09.08.12 | excellent |
| 16 | Christian | Geier | A porcine study to compare the toxicity of liposomal and non-liposomal anthracyclines | 12.08.13 | excellent |
| 17 | Khaled | Salameh | Die QT-Dispersion zur Risikostratifikation bei KHK- und Postinfarkt-Patienten | 22.08.13 | excellent |
| 18 | Georg | Strebinger | Comparison of NOGA determined infarct parameters with MRI in porcine myocardial infarction model | 22.10.13 | excellent |
| 19 | Ajit John | Poovathinkal | Experimental cardiac stem cell therapy Subtitle: Selective mobilization of different endothelial progenitors in experimental closed-chest reperfused myocardial infarction | 06.02.14 | excellent |
| 20 | Dimitri | Patriki | Factors influencing the recurrence of atrial fibrillation after electrical cardioversion.pilotstudy | 18.09.14 | excellent |
| 21 | Abelina | Zimba | Retrospektive Analyse der Schrittmachertherapie im Zusammenhang mit Chemotherapie und Strahlentherapie | 30.10.14 | excellent |
| 22 | Christopher | Steiner | Effect of different factors on myocyte cell culture | 23.01.18 | excellent |
| 23 | Jakob | Astl | Comparison of coronary computer tomography and myocardial scintigraphy in assessment of myocardial ischemia | 21.08.17 | excellent |
| 24 | Wilhelmine Andrea | Heuberger | Long-term clinical follow-up of patients with ST-segment elevation myocardial infarction receiving either Genous or Taxus stents | 21.11.17 | excellent |
| 25 | Izabella | Karpat | Biomarkers in coronary artery disease | 26.10.17 | excellent |
| 26 | Andreas | Spannbauer | Safety and efficacy of stenting porcine coronary arteries using bioresorbable vascular scaffolds | 20.12.17 | excellent |

**3. PhD-Thesen und Dissertations**

***3.1. PhD-Thesen***

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| **Surname** | **First name** | **Academic tudy** | **Date of registration** | **Completed** | **Approbated** | **Titel** |
| LICHTENAUER | Michael | N094  (member of the committee | 28.09.10 | 19.09.11 | 14.11.11 | Secretome of apoptotic cells causes cardioprotection and inhibits ventricular remodeling after acute myocardial infarction |
| ZIMMERMANN | Matthias | N094  (member of the committee) | 01.07.14 | registered |  | The impact of paracrine factors secreted by peripheral blood mononuclear cells on region-specific myocardial gene expression patterns post myocardial infarction |
| RÜGER | Beate Maria | N094  (member of the committee) | 03.02.15 | registered |  | Inflammation-Neovascularization-Regeneration: Three dimensional culture models to study postnatal vascular morphogenesis |
| JANIK | Stefan | N202  (member of the committee) | 28.08.14 | registered |  | The Role of Heat Shock Proteins (HSPs) in the pathogenesis of Thymomas and Thymic Carcinomas |
| POSA | Aniko | N094  (Supervisor) | 2009 | 2009 | 2009 | Az ösztrogén és raloxifen közvetítette kardiovaszkuláris protektív mechanizmusok (Hungarian PhD) |
| MACEJOVSKA | Dominika | N094  (Supervisor) | 12.09.14 | completed | 24.04.2017 | Identification microRNAs of therapeutic and diagnostic value in endogenous cardioprotection by postconditioning in a clinically relevant swine model of myocardial infarction |
| ZLABINGER | Katrin | N094  (Supervisor) | 1.11.15 | registered |  | Differential effects of regenerative substances in cardiomyocyte cell culture |
| TRAXLER-WEIDENAUER | Denise | N094  (Supervisor) | 1.7.15 | registered |  | **Biotrafficking of Human Allogeneic Adipose-Derived Stem Cells in Ischemic Heart Disease and Heart Failure and their Influence on the Systemic and Exosomal microrna Profile** |
| SPANNBAUER | ANDREAS | N094  (Supervisor) | 1.7.16 | registered | PENDING | **EXOSOMES CVD** |
| MÜLLER | CLAUDIA | N094  (Supervisor) | 1.10.17 | registered | PENDING | **BIOMARKERS IN ACS** |
| RIESENHUBER | MARTIN | N094  (Supervisor) | 1.10.17 | registered | PENDING | **CRESPACE** |

***3.2. Master of Science thesis***

1. Michelle Leitgeb. Isolation and Characterization of Porcine Cardiomyocytes under Hypoxia. Biotechnische Verfahren am Campus Tulln. Bachelor- und Masterstudium der Fachhochschule Wiener Neustadt. 2014. (successfully completed).
2. Romana Michenthaler. Influence of different culture and testing conditions on ischemic porcine cardiomyocytes and their behavior. Engineering at the University of Applied Sciences Technikum Wien – Tissue Engineering and Regenerative Medicine 2014 (successfully completed)
3. Katrin Zlabinger. Serial in vivo tracking of PET reporter gene transfected mesenchymal stem cells seeded to non-invasive implanted artificial pulmonary heart valve. Engineering at the University of Applied Sciences Technikum Wien – Tissue Engineering and Regenerative Medicine 2015 (successfully completed)
4. Julia Mester-Tonczar. Gene expression analyses after a myocardial infarction using different methods of treatment, based on the research of Cardiosphere-Derived Cells and Apoptotic peripheral blood mononuclear cells. University of Vienna, Molecular biology (registered).

***3.3. Consultant of PhD Thesen***

***3.3.1. International:***

1. Max Emmert MD. University of Zürich, Switzerland. Translational cell based strategies to repair the heart. PhD Defense Eindhoven 2013 Apr. 11
2. Anders Bruun Mathiasen. University of Copenhagen, Denmark. Cellular tracking and treatment with mesenchymal stromal cells in patients with chronic ischemic heart disease and refractory angina. PhD Defense Copenhagen 2015. January 7.
3. Peter Petruska Slovak University of Agriculture in Nitra, Faculty of Biotechnology & Food Sciences, Department of Animal Physiology, Nitra, Slovak Republic (registered)

***3.3.2. National***

1. Dr. David Santer Influence of Tenascin C on Cardiac Remodeling. (registered) (N094)

***2.4.5. N201 Dissertations***

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| HEMETSBERGER | Rayyan | N201 | 14.05.08 | 04.01.2010 | Effect of nitric oxide elution from a coated introducer sheath on a peripheral artery at 1h and 7 days after sheath placement |
| MATIASEK | Johannes Georg | N201 | 18.03.04 | 07.10.2005 | Effect of New Drug-Eluting-Stent Systems on Development of Neointimal Hyperplasia in Porcine Coronary Arteries |

***4. Clinical studies***

***3.1. Primary investigator:***

2014- CATCH-AMI Studie Autrian Principal investigator

2010 DAL-OUTCOMES Study (La Roche)

2010 PROMETHEUS Registry (Boston Scientific)

2008 STREAM Study (Boehringer Ingelheim)

2008 LASER Registry (European Society of Cardiology)

2007 E-SIRIUS (Cordis, a Johnson § Johnson)

**3.2. Study coordinator:**

2008 CHAMPION Study (The Medicines Company)

2007 CURRENT Study (Sanofi Aventis)

2008 SPIRIT WOMAN (Abbott)

2008 RES-ELUTION (Cordis, a Johnson § Johnson)

2008 NAUTIC Study (CSC Pharmaceuticals Handels GmbH)

2007 TRIAS Study (Academic Medical Center - University of Amsterdam, The Netherlands)

2009 APTOR-Study (Eli Lilly)

2009 ENDEAVOUR Study (Medtronic Inc)

2009 APPRAISE Study (Bristol-Meyer-Scibbs)

2007 EXPLORE Trial ((Academic Medical Center - University of Amsterdam, The Netherlands)

2009 PLATINUM Study (Boston Scientific)

2007 HORISON-AMI (Boston Scientific)

**5. Research activity**

**5.1. Founder of the research group „Experimentelle und klinische Kardiologie“ at the Medical University of Vienna, Austria**

Since 2010, 2 PostDoc, 4 PhD Students, 4 assistant physicians, 1 Internist/Cardiologist, 3 Master of Science thesis worker, 2 lab assistents, and 3 international visitors

**5.2. Employees, financed from own grants at the Medical University of Vienna, Austria**

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|  | **Name** | **Function** | **Notice** | **Duration** | **Year** |
| 1 | Dr. Stefan Kastl | Assistant Physician | 15 h/week | 3 months | 2011 |
| 2 | Victor Lamin | Lab Assistent (N0790) | 30 h/week | 14 months | 2011-2012 |
| 3 | Inna Sabdyusheva | Lab Assistent (N0790) | 30 h/week | 27 months | 2011-2013 |
| 4 | Dr. Noemi Pavo | Assistant Physician | 30 h/week | 13 months | 2011-2012 |
| 5 | Dr Christian Plass | Internist. | 30 h/week | 39 months | 2011-2014 |
| 7 | Dominika Macejovska | PhD (N094) | 30 h/week | 5 years | from 01.11.2013\* |
| 8 | Katrin Zlabinger | Maste of Science | 10 h/week | 4 years | From 1. Jan. 2014\* |
| 9 | Rene Köffel PhD | PostDoc | 40 h/week | 7 months | März-Sept. 2014 |
| 10 | Dr Abelina Zimba | researcher  Assistant Physician | 15 h/week  35 h/week | 6 months  3 months | 2014  2015 |
| 11 | Katharina Auer | PhD (N094) | 30 h/week | 7 months | 2014 |
| 12 | Johannes Winkler PhD | PostDoc | 40 h/week | 4 years | from 01.12.2014\* |
| 13 | Alfred Gugerell PhD | PostDoc | 30 h/week | 3 years | from 15. Febr 2015 |
| 14 | Janos Fuzik | PhD | 30 h/week | 6 months | 2013\* |
| 15 | Ljubica Mandic | Lab Assistant, SciMed | 30 h/week | 3,5 years | From 1. Apr 2015\* |
| 16 | Denise Traxler-Weidenauer | MD PhD | 30 h/week | 3 years | From 01.10.2015\* |
| 17 | Andreas Spannbauer | MD PhD | 30 h/week | 3 years | From 01.10.2016\* |
| 18 | Claudia Müller | MD PhD | 30 h/week | 3 years | From 01.10.2017\* |
| 19 | Martin Riesenhuber MD | MD PhD | 30 h/week | 3 years | From 01.10.2017\* |

## \* ongoing employment in 2018

## *5.3*. International Awards for team members:

## Circulation: European Perspectives in Cardiology; Funding: Austrian Society of Cardiology Research Scholarships. Noemi Pavo MD, assistant physician, Department of Cardiology, Medical University of Vienna, Vienna, Austria. Circulation. 2013;127:f97-f102

Hot Line Session II – Translational Basic Research (ESC 2013 Amsterdam) Noemi Pavo, et al. Overexpression of GATA4, TGF-β3, MEF2C and HIF1-α contributes to improvement of infarct size in porcine model of chronic myocardial infarction, treated with percutaneous intramyocardial delivery of secretome of apoptotic white blood cells (APOSEC).

**6. Organisation of international meetings**

1. 2nd EU-Cardioprotction COST Action MC and WG Meeting March 19-21 2018 Vienna (Organizer and Program Committee)
2. 2nd EACTS Meeting on Cardiac and Pulmonary Regeneration 3-4 Dec- 2010 Vienna (Member of the organizing committee).
3. 1st international student congress on cell and molecular medicine, Shiraz, Iran (17-19. Febr. 2011) 18. Febr. 2011 (International Advisory Committee)
4. Feature on Myocardial Regeneration of Cells and their Secretomes. A Discussion in Progress. 5th Sept. 2012, Vienna (Organizator)
5. International Academy of Cardiology and 20th World Congress on Heart Disease. July 25-27 Canada 2015 (Scientific Advisory Board)
6. 15th World Congress on Heart Disease Annual Scientific Sessions 2010 Vancouver Canada 2010 (Scientific Advisory Board)
7. International Academy of Cardiology and 19th World Congress on Heart Disease. BOSTON, MA, USA, JULY 25-28, 2014 (Scientific Advisory Board)
8. Limbeck: Interventioneller Workshop 21-22 Okt- 2009, Univ. Klinik für Innere Med II, MedUni Wien. (Faculty member)
9. 17th International LDD&R (International Local Drug Delivery and cardiovascular course on Revascularisation and molecular strategies) Grand Hotel Kempinski Geneva Switzerland February 11th – 13th, 2010. (Faculty member)
10. 18th International LDD&R (International Local Drug Delivery and cardiovascular course on Revascularisation and molecular strategies) Geneva Switzerland February 6th – 9th, 2011.(Faculty member)
11. 19th International LDD&R (International Local Drug Delivery and cardiovascular course on Revascularisation and molecular strategies) Geneva Switzerland February, 2012. (Faculty member)
12. EuroPCR Paris 2010 (Faculty member)

**7. Editorial Board member:**

1. Open Journal of Cardiology
2. World Journal of Stem Cells
3. World Journal of Cardiology
4. Critical Care Medicine Journal
5. **Membership of scientific committee**

Since 2003 Semmelweiss Ärzteverein (vice president)

Since 1998 Austrian Society of Cardiology

Since 2006 European Society of Cardiology

Since 1998 Semmelweiss Ärzteverein

Since 2002 Austrian Medical Association (ÖÄK)

1984-2008 Hungarian Society of Cardiology

1984-2002 Hungarian Society of Internal Medicine

**9. Awards**

2017. Zlabinger K. Gyöngyösi M. Spontaneous stable transfection of PET-reporter gene for in vivo tracking of xenogeneic mesenchymal stem cells. Jahrestagung der Österreichische Kardiologische Gesellschaft: Best basic science abstract 2017. 1. Prize

2016. Lukovic D, Gyöngyösi M. Ischämische Postkonditionierung moduliert den fokalen Adhäsionssignalweg im Schweine-Tiermodell. Jahrestagung der Österreichische Kardiologische Gesellschaft: Best basic science abstract 2016. 1. Prize

2015. Mariann Gyöngyösi. Best Manuscript Award of Circulation Research 2015

2015 Gyöngyösi M. Diploma of Excellence: Best partner for scientific research in cardiology. The XVth Conference of Cardiology. CardioNet, Tirgu Mures 2015.

2015 Gyöngyösi M. Meta-Analysis of Cell-based CaRdiac stUdiEs (ACCRUE) in patients

with acute myocardial infarction based on individual patient data. Österreichische

Kardiologische Gesellschaft: Best scientific Publication 2015. 1. Prize

2015 Winkler J, Gyöngyösi M\*. Experimental model of left ventricular hypertrophy,

diastolic dysfunction and secondary pulmonary hypertension for translational research. \*

corresponding author. Jahrestagung der Österreichischen Kardiologischen Gesellschaft,

Salzburg. Best basic science abstract 1. Prize.

2014. Pavo N, Gyöngyösi M\*. Imaging of the months of the Sept. issue of JACC Cardiovasc Imaging. \* corresponding author

2014. Rene Köffel, Mariann Gyöngyösi\*. Elaboration of an experimental model of left ventricular hypertrophy and chronic diastolic dysfunction for translational research. \*corresponding author. Jahrestagung der Österreichischen Kardiologischen Gesellschaft, Salzburg. Best basic science 3. Prize.

2014. Pavo N. Gyöngyösi M\*. Gene expression profiling of porcine myocardium after repetative ischämia/reperfuision. \*corresponding author. Jahrestagung der Österreichischen Kardiologischen Gesellschaft, Salzburg. Best basic science 2. Prize

2012. Gyöngyösi M. Percutaneous intramyocardial delivery of secretome of apoptotic white blood cells (APOSEC) improves myocardial viability and left ventricular function in experimental ischemic cardiomyopathy. Annual Congress of the European Society of Cardiology, Münich1. Prize. Best abstract of the Frontiers in Basic Research

2012. Gyöngyösi M. Percutaneous intramyocardial delivery of secretome of apoptotic white blood cells (APOSEC) improves myocardial viability and left ventricular function in experimental ischemic cardiomyopathy. Annual Congress of the European Society of Cardiology, Münich 2012 Presented at the Highlight session

2011. Gyöngyösi M. Increased matrix metalloproteinase 2 expression of infarcted myocardium attenuates homing of mesenchymal stem cells. Jahrestagung der Österreichischen Kardiologischen Gesellschaft. Best basic research abstract 1. Prize

2010. Gyöngyösi M. „Researcher of the month“ der Medizinischen Universität Wien, Februar 2010

2010. Hemetsberger R, Gyöngyösi M\*. Effect of nitric oxide elution from a coated introducer sheath on a peripheral artery at 1h and 7 days after sheath placement. \*Dissertation Betreuerin. Wilhelm-Auerswald-Preises für die Beste Dissertation des Jahres 2010 in Österreich 1. Preis

2009. Gyöngyösi M. et al. Combined delivery approach of bone marrow mononuclear stem cells early and late after myocardial infarction: the MYSTAR prospective, randomized study. *Nat Clin Pract Cardiovasc Med* (currently *Nature Reviews Cardiol*) 2009;6:70-81. Österreichische Kardiologische Gesellschaft: Beste wissenschaftliche Publikation 2009. 1. Prize

2009. Nyolczas N, Gyöngyösi M. Őssejt kezelés acut myocardialis infarctust követően. Lege Artis Medicinae. Best Publication of year 2008. 1. Prize

2006. Belarmino A. Gyöngyösi M\*. Long-Term Results of Stenting of In-Stent Restenosis With Drug-Eluting Stents: CYPHER vs TAXUS. \*corresponding author. Jahrestagung der Österreichischen Kardiologischen Gesellschaft. Best Abstracts: Clinical Science 1. Prize

2006. Gyöngyösi M. et al.NOGA-Guided Analysis Of Regional Myocardial Perfusion Abnormalities Treated With Intramyocardial Injections Of Plasmid Encoding VEGF A-165 In Patients With Chronic Myocardial Ischemia. Subanalysis Of The EUROINJECT-ONE Multicenter Double-Blind Randomized Study. *Circulation* 2005 112[suppl I]:I-157–I-165. Billroth Preis der Österreichsichen Ärztekammer 2006. 2. Prize

2004. Shirazi M, Gyöngyösi M\*. Influence of Colchicine-Coated Stents on Restenosis after Intracoronary Stent Implantation \*corresponding author. Jahrestagung der Österreichischen Kardiologischen Gesellschaft 2004. Best Abstract basic science. 1. Prize

2001 Gyöngyösi M. Österreichische Kardiologenpreis der Österreichischer Kardiologischer Gesellschaft für wissenschaftliche Publikation. 3. Prize

1993 Wettbewerb der Ungarischen Akademie der Wissenschaften. 2. Prize

1992 Computers in Medizin, Ghyczy Kálmán Competition. 1. Prize

1992 “Young Cardiologist Award” - Kongress der Ungarischen Gesellschaft für Kardiologie. 3. Prize

**10. Research Grants**

* 1. **Competitive Grants**

1. 2006 Research Grant of the Austrian Herzfond

MUW Projektnummer: AP 00174OFF, Grant sum: 45.256,0 €

1. 2009 LIFEVALVE EU Project (Partner, National Coordinator)

MUW Projektnummer: FA714B0505**,** Grant sum: 329.820,0 €

1. 2013 OTKA-FWF bilateral Project (Austrian leader) KPIO1277FWF

MUW Projektnummer: API01277FW Grant sum: 99.277,5 €

1. 2013 FIBRO-TARGETS EU project (Partner, National Coordinator)

MUW Projektnummer: FA714B0521 Grant sum: 891.677,2 €

1. 2014 SCIENCE EU project (Partner, National Coordinator)

MUW Projektnummer: FA714B0523 Grant sum: 421.875,0 €

1. 2017 CRESPACE EU project (Partner, National Coordinator)

MUW Projektnummer: FA714B0528 Grant sum: 584.375,0 €

1. 2017 ReGenHeart EU project (Partner, National Coordinator)

MUW Projektnummer: FA714B0529 Grant sum: 621.668,0 €

**10.2. Noncompetitive Grants**

1. Aluimedica:

MUW Projektnummer: FA714B0504 **,** Grant sum: 45.000,0 €

1. Hemoteq AG

MUW Projektnummer: FA714B0506 **,** Grant sum: 51.157,0 €

1. University of Zurich

MUW Projektnummer: FA714B0507 **,** Grant sum: 105.000,0 €

1. Experimentelle Stammzelltherapy mit CXCr4 Antagonists

MUW Projektnummer: FA714B0509 **,** Grant sum: 241.923,0 €

1. Experimental PFO occlusion (Occlutech)

MUW Projektnummer: FA714B0512 **,** Grant sum: 81.181,0 €

1. FREEWAY

MUW Projektnummer: FA714B0513 **,** Grant sum: 17.200,0 €

1. Axetis

MUW Projektnummer: FA714B0514 **,** Grant sum: 20.000,0 €

1. MeKo

MUW Projektnummer: FA714B0515 **,** Grant sum: 33.200,0 €

1. Occlutech-D

MUW Projektnummer: FA714B0516 **,** Grant sum: 35.570,0 €

1. CARDIONOVUM

MUW Projektnummer: FA714B0517**,** Grant sum: 211.800,0

1. PRADAXA

MUW Projektnummer FA714B0522,Grant sum: € 85.000,0

1. TEVA

MUW Projektnummer FA714B0518**,** Grant sum: € 51.500,0

1. Hannover

MUW Projektnummer FA714B0519**,** Grant sum: € 49.000,0

1. CATCH-AMI

MUW Projektnummer FA714B0520**,** Grant sum: € 42.172,0

1. MEKO

MUW Projektnummer FA714B0524**,** Grant sum: € 106.880,0

1. SMT

MUW Projektnummer FA714B0525**,** Grant sum: € 5.540,0

1. TEVA

MUW Projektnummer FA714B0526**,** Grant sum: € 34.080,0

1. SMT-PD

MUW Projektnummer FA714B0524**,** Grant sum: € 129.840,0

1. Texas

MUW Projektnummer FA714B0530**,** Grant sum: € 9363,0

1. CARDIOR

MUW Projektnummer FA714B0531**,** Grant sum: € 1.476.178,67,0

1. HYPI

MUW Projektnummer FA714B0532**,** Grant sum: € 67200,0

1. ZU-EXOS

MUW Projektnummer FA714B0533**,** Grant sum: € 71472,06

***Total sum of grants 5.890.299,7 € (update April 2018)***

**11. Academic and scientific activity**

**11.1. Invited lectures >100 in the last 8 years (from Novosibirsk to Chicago, etc)**

**12.1. International Cooperations**

Stanford University School of Medicine, Stanford, USA (Dr. JC. Wu): Minicircle research project

University of Zürich, Experiemntal Surgery, Swiss Centre for Regenerative Medicine (Prof. S. Hoerstrup): LifeValve EU Project; DACH project (submitted)

Universität Kaposvar (Prof. I. Repa): translational animal experiments

Medizinische Hochschule Hannover (Prof. Dr. K. Wollert): CXCR4 research project

Karolinska Insitite Stockholm, Sweden (Prof. C. Sylven): EUROINJECT study long-term FUP

Semmelweiss University, Budapest, Hungary (Prof. P. Ferdinandy): FWF-OTKA research project

University of Szeged, Szeged, Hungary (Dr. TB Csont, Prof. C. Varga): research projects

St. Johannes Hospital Dortmund, Germany (Dr. Rayyan Hemetsberger): PRADAXA research project

3rd Department of Cardiology, School of Medicine in Katowice, Medical University of Silesia, Katowice, Poland (Prof. Wojakowski W. Prof. Tendera M.): ACCRUE project, ReGenHeart, SCIENCE EU Project partner

Inserm, UMR1087, CNRS UMR6291, University of Nantes, Nantes, France (Prof. Lemarchand P): ACCRUE project

Department of Cardiology, Rikshospitalet University Hospital, Oslo, Norway (Prof. K. Lunde): ACCRUE project

Cardiovascular Center, OLV Hospital, Aalst, Belgium (Prof. Bartunek J): ACCRUE project

Cedars-Sinai Heart Institute, Los Angeles, CA, USA (Prof. Marban E, Henry TJ): ACCRUE project, research projects

Minneapolis Heart Institute at Abbott Northwestern Hospital, Minneapolis, MN, USA (Prof. Travese JH) ACCRUE project

University of Texas Houston School of Public Health, Houston, TX, USA (Prof. Moye LA) ACCRUE project, CCTRN project

Department of Cardiology, Cardiovascular Center, University Hospital Zurich, Switzerland (Prof. Sürder D) ACCRUE project

Fondazione Cardiocentro Ticino, Lugano, Switzerland, and Heart Clinic Hirslanden Zurich, Switzerland (Prof. Corti R) ACCRUE project

University of Oulu, Medical Research Center, Institute of Clinical Medicine, Department of Internal Medicine, University of Oulu, Finland (Prof. Huikuri H) ACCRUE project

Department of Cardiology, University of Ulm, Ulm, Germany (Prof. Wöhrle J) ACCRUE project

Clinic of Emergency Medicine, Military Medical Academy, Belgrade, Serbia (Prof. Obradovic S)

Department of Cardiology, Institute CARDIOMET, CIC Biotherapies, University Hospital of Toulouse, France (Prof. Roncalli J) ACCRUE project

State Research Institute of Circulation Pathology, Novosibirsk, Russian Federation (Prof. Pokushalov E) ACCRUE project

Department of Cardiology, Rigshospitalet, Copenhagen University, Copenhagen, Denmark (Prof. Kastrup J) ACCRUE project, SCIENCE, ReGenHEART EU projects

Asklepios Klinik St. Georg, Hamburg, Germany (Prof. Bergmann MW) ACCRUE project

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Department of Cardiology, University of Debrecen, Hungary (Prof. Edes I) ACCRUE project

Department of Cardiology, University of Targu Mures, Romania (Prof. Benedek I.) ACCRUE project

University Clinic for Cardiology, Skopje, Republic of Macedonia (Prof. Pejkov H.) ACCRUE project

Medical Centre, Hungarian Defence Forces, Budapest, Hungary (Prof. NyolczasN.) ACCRUE project

Invasive Cardiology, National Research Council Institute of Clinical Physiology (CNR-IFC), Pisa, Italy; (Prof. Berti S.) ACCRUE project

Department of Internal Medicine, Division of Cardiology, Pulmonology and Vascular Medicine, Heinrich-Heine-University, Düsseldorf, Germany (Prof. NavareseEP.)

INSERM France (Dr. Faiez Zannad) FIBROTARGETS EU Project

**11.3. National Cooperations:**

3. Medizinische Abteilung für Kardiologie, Wilhelminenspital, Wien KAV (Prof. K. Huber)

Department of Biotechnology BOKU - University of Natural Resources and Life Sciences, Wien (DI Dr C. Prenner)

Univ.-Klinik für Innere Medizin III, Universität Innsbruck (Prof. Wolfgang-Michael.Franz)

Veterinärmedizinische Universität Wien (Prof. Wolfgang Sipos)

Zentrum der Biomedizinische Forschung, Medical University of Vienna (Prof. B. Podesser)

1. **Publicatons**

**Summary (31 March 2018)**

**Total number of publicaitons: 161**

**Cumulative impact factor: 722,2**

**Citations: 3631**

**Top Journals**

**Originalarbeiten:**

1. Tompkins BA, Balkan W, Winkler J, Gyöngyösi M, Goliasch G, Fernández-Avilés F, Hare JM. Preclinical Studies of Stem Cell Therapy for Heart Disease. Circ Res. 2018 Mar 30;122(7):1006-1020
2. Pavo N, Goliasch G, Wurm R, Novak J, Strunk G, **Gyöngyösi M**, Poglitsch M, Säemann MD, Hülsmann M. Low- and High-renin Heart Failure Phenotypes with Clinical Implications. Clin Chem. 2018;64:597-608.
3. Ferreira JP, Machu JL, Girerd N, Jaisser F, Thum T, Butler J, Gonzalez A, Diez J, Heymans S, McDonald K, **Gyöngyösi M**, Firat H, Rossignol P, Pizard A, Zannad F. Rationale of the FIBROTARGETS study designed to identify novel biomarkers of myocardial fibrosis. ESC Heart Fail. 2018;5:139-148.
4. Pavo N, Lukovic D, Zlabinger K, Lorant D, Goliasch G, Winkler J, Pils D, Auer K, Ankersmit HJ, Giricz Z, Sarközy M, Jakab A, Garamvölgyi R, Emmert MY, Hoerstrup SP, Hausenloy DJ, Ferdinandy P, Maurer G, **Gyöngyösi M**. Intrinsic remote conditioning of the myocardium as a comprehensive cardiac response to ischemia and reperfusion. Oncotarget. 2017 Jun 12;8(40):67227-67240. doi: 10.18632/oncotarget.18438. eCollection 2017 Sep 15
5. Zimmermann M, Beer L, Ullrich R, Lukovic D, Simader E, Traxler D, Wagner T, Nemec L, Altenburger L, Zuckermann A, **Gyöngyösi M**, Ankersmit HJ, Mildner M. Analysis of region specific gene expression patterns in the heart and systemic responses after experimental myocardial ischemia. Oncotarget. 2017 May 17;8(37):60809-60825. doi: 10.18632/oncotarget.17955. eCollection 2017 Sep 22.
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8. 7. Pavo N, Lukovic D, Zlabinger K, Zimba A, Lorant D, Goliasch G, Winkler J, Pils D, Auer K, Jan Ankersmit H, Giricz Z, Baranyai T, Sárközy M, Jakab A, Garamvölgyi R, Emmert MY, Hoerstrup SP, Hausenloy DJ, Ferdinandy P, Maurer G, **Gyöngyösi M**. Sequential activation of different pathway networks in ischemia-affected and non-affected myocardium, inducing intrinsic remote conditioning to prevent left ventricular remodeling. Sci Rep. 2017 Mar 7;7:43958. doi: 10.1038/srep43958.
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**Book chapter**

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