**CURRICULUM VITAE**

**Date Prepared**: February 25, 2016

**PART I: GENERAL INFORMATION**

 **Name**: **Krzysztof Laudanski MD, PhD, MA**

 **Home Address**: 2108 Webster St

 Philadelphia, PA 19104

 **Business Address**: University of Pennsylvania

 Department of Anesthesiology and Critical Care

 Dulles 7

 3400 Spruce Street

 Philadelphia, Pennsylvania 19104. USA

 **Office Phone**: (215) 615-4103

 **Cell Phone:** (352) 222-5202

 **Email:** klaudanski@gmail.com

 Krzysztof.Laudanski@uphs.upenn.edu

**Education**:

|  |  |
| --- | --- |
| **05/2006 – 11/2011** | Warsaw Medical University & Central Military Hospital. Military Medical Institute. Warsaw. Poland.**Doctor of Philosophy**. Anesthesiology & Immunology |
| **07/1998 – 12/2001** | [Faculty of Psychology. Warsaw University. Poland](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CEducation%5CDyplom%20psychologa.pdf).**Master of Arts;** Psychology & Neuropsychology & Health Psychology |
| **09/1992 – 06/1998** | Warsaw Medical University**Doctor of Medicine** “*summa cum laude*” |

**Licensure:**

|  |  |
| --- | --- |
| **Since 12/2010** | Certification of American Board of Anesthesiology in Critical Care Medicine (Cert#45588 ) |
| **Since 10/2010** | Certification of American Board of Anesthesiology in anesthesiology (Cert#45588) |
| **Since 2011** | Unrestricted Anesthesiology and Critical Care License. Medical Professional Chamber in Warsaw. |
| **Since 06/2010** | Unrestricted Pennsylvania Medical License (No#MD440284) |
| **Since 2008** | Unrestricted Massachusetts Medical License (No#MA238465) |
| **Since 2008** | National Provider Identification [(1760579643)](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5CMicrosoft%5CWord%5CLicensure%5CLicencja%20medyczna%20-%20USA%5CNPI%20-%20official%20number.pdf)  |
| **Since 2001** | [Psychologist License (No#1912).](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CLicensure%5CPTP%20membership.pdf) Polish Association of Psychologists |
| **Since 1999** | [Medical License](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CLicensure%5COIL%20-%20prawo%20wykonywania%20zawodu.pdf) (No# 7190758). Medical Professional Chamber in Warsaw.  |

**Experience:**

|  |  |  |
| --- | --- | --- |
| **Since 9/2010** | **Assistant Professor/****Instructor** | **Department of Anesthesiology and Critical Care.****University of Pennsylvania. Philadelphia, PA.** |
| * Providing anesthesia service in variety settings including bread-and-butter cases, orthopedics, urology, thoracic, vascular, trauma. Airway management.
* Critical care attending in Cardiothoracic/Surgical Intensive Care Unit. Significant experience in managing VAD & ECMO. Developing project aim at increased safety of the hand-off procedures.
* Extensive experience in electronic ICU including Philips VISICU system. Overseeing 6 ICUs (~100 patients)
* Research focusing on long-term outcome of critical care illness, post-ICU syndrome, translational mechanism of sepsis and coping mechanism and quality of life among chronically dialyzed patients. Member of ITMAT Consortium and Neuroscience Consortium at University of Pennsylvania.
* Developing program for compliance in handling controlled substances.
* Participating in medical teaching assignment sponsored by HVO in Mthata, Republic of South Africa. Developing safety extubation protocol for residents
* Resident and undergraduate students mentoring. Involvement in Doximity Residency Mentor Program
 |

|  |  |  |
| --- | --- | --- |
| **9/2009 – 9/2010** | **Moonlighter** | **Matrix Anesthesia. Brockton, MA.** |
| * Providing anesthesia service in variety settings including bread-and-butter cases, vascular, and obstetric. Airway management. *Ad hoc* critical care consultation. Running CPR/Rapid Response Teams. Covering total of two community hospitals (Norwalk Hospital, Brockton Hospital)
 |

|  |  |  |
| --- | --- | --- |
| **7/2009 – 7/2010** | **Fellow in Critical Care** | **Department of Anesthesiology, Critical Care and Pain****Beth Israel Medical Center.****Harvard Medical School; Boston MA** |
| * Critical Care Fellowship with special emphasize on ultrasound techniques.
* Board Certification in Critical Care and Anesthesiology by ASA.
* Developing the double blind randomized study evaluating effectiveness ketamine as therapy for septic shock
* Participating in medical teaching assignment sponsored by HVO in Ho Chi Minh City, Viet Nam.
* Invited Consultant for Roche.
 |
| **7/2006 – 7/2009** | **Resident** | **Department of Anesthesiology****University of Florida. Gainesville, FL.** |
| * Core training in Anesthesiology, Critical Care and Pain.
* Research project on neuroprotection.
* Participating in medical teaching assignment sponsored by HVO in Mwanza, Tanzania. Developing ACLS protocol for residents.
 |
| **6/2005 – 7/2006** | **Intern** | **Department of Internal Medicine****Griffin Hospital. Derby, CT.** |
| * Internship focused on internal medicine and critical care and cardiovascular disease unit (5 months).
* Best Intern Award
* Development of the research project in the mechanism of the ECG changes and serum iron levels with subsequent publication.
 |
| **09/2001 – 5/2005** | **Assistant Professor/****Instructor** | **Department of Surgery****University of Rochester Medical School. Rochester, NY.** |
| * Development of several research projects sponsored by NIH resulting in numerous publications and congress presentation.
* Participating in the Glue Grant project with development robust techniques to separate blood in field condition. Performed and documented gel-electrophoresis experiments, blood purification techniques, flow cytometry, transfection and other techniques resulting in increased understanding for septic shock.
* Supervising every day activity of the laboratory
* Successful mentoring of the several undergrad students
* Reviewer in Shock journal. Conducted research on the oxygenation of thalassemias and developed a medical database to allow physicians to search by key symptoms, generating a list of possible genetic disorders.
 |

|  |  |  |
| --- | --- | --- |
| **5/2000 – 7/2001** | **Research Associate** | **Department of Nephrology with Dialysis Unit.** **Postgraduate Military Medical Centre. Central Hospital of the Polish Army. Warsaw, POLAND.** |
| * Research on well-being of the dialysed patient and their ways to cope with critical care stress.
 |
| **9/1999 – 4/2000** | **Researcher** | **Department of Surgery****University of Massachusetts Medical School. Worcester, MA.** |
| * Participation in NIH founded grants “*T cell anergy in trauma patients*”, “*Is aberrant monocyte stimulation pivotal in post – trauma MODS?*”
* Basic skills in cell cultures and blood separation techniques.
 |

|  |  |  |
| --- | --- | --- |
| **02/2000 - 10/1999** | **Associate** **Researcher** | **Department of Nephrology with Dialysis Unit.** **Postgraduate Military Medical Centre. Central Hospital of the Polish Army. Warsaw. POLAND.** |
| * Research psychological outcomes of different modalitities of renal replacement therapy.
 |
| **09/1999 - 05/1998** | **Associate** | **Department of Physiology.** **Medical University of Warsaw. Warsaw. POLAND.** |
| * Co-investigator and mentor in the Student Research Subvention founded by the Medical University of Warsaw “*The role of ovariectomy in the central regulation of blood pressure*”
* Performing neurosurgery procedures on rats, conducting functional experiments with centrally applied imidazoline receptor agonists in alerted animals.
* Teaching responsibilities.
 |

**Clinical internships & additional medical training:**

|  |  |
| --- | --- |
| **Since 1/2015** | Ultrasound-Guided Regional Anesthesia (UGRA) Education and Clinical Training Portfolio (ongoing). American Society of Anesthesiology. |
| **1/2015** | ESLO/ECMO Course. Society of Critical Care Medicine. Phoenix, AZ. |
| **11/5/2014** | Heartmate II Clinical Operation & Pain Management; Philadelphia, PA. |
| **10/17/2014** | Introduction to Ultrasound for Pain Medicine; AAPMU; Las Vegas, NV. |
| **03/16/2013** | Regional Anesthesia Workshop. University of Pennsylvania. Philadelphia, PA |
| **04/2012** | Fundamentals of Disaster Management. Society of Critical Care Medicine. Houston TX. |
| **06/2010****Since 2005** | Introduction to Clinical Investigation. Harvard Medical School. Boston, MAACLS certificate (ongoing). |
| **08/ 2004** | [The Mathematical and Computer Models in Medicine: Disease and Treatment.](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5CResearch%5CMedycyna%5CResearch%20-%20UoR%5CProject%20-%20Mathematical%20modelling%20in%20medicine%5CAdministrative%5CSFI%20letter%20from%20CMG.pdf) Santa Fe Institute. Santa Fe, NM. |
| **06/2004** | Academy Medicine Development. Institute of Medical Sciences, Buffalo, NY. |
| **05/2001** | [System family therapy](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CAdditional%20Education%5CIAAP%20-%20Certyfikat%20uczestnictwa%20w%20Terapii%20Systemowej.pdf). International Association of Analytical Psychology and Polish Association of Psychology. Warsaw Poland |
| **09/1998 - 12/2000** | [Jungian psychoanalysis](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CAdditional%20Education%5CRecommendation%20-%20Patricia.pdf). International Association of Analytical Psychology and Polish Association of Psychology. Warsaw Poland |
| **10/1996** | [“The lasers in the complex physiotherapy – 2nd degree”](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CAdditional%20Education%5CEOS%20-%20lasery%20w%20medycynie%20II%20stopien.pdf). Wrocław Medical University. Wrocław. Poland. |
| **03/1995** | [“The lasers in medicine”](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CAdditional%20Education%5CEOS%20-%20lasery%20w%20medycynie%20I%20stopien.pdf) Wrocław Medical University. Wrocław. Poland. |

**Other Institutions Appointments**:

|  |  |
| --- | --- |
| **Since 6/2015** | **Research Consultant.** Military Medical Institute. Warsaw. Poland.* Support for implementing research project in the field of epigenetics
 |
| **12/2013 – 9/2015** | **Physician in Research Service**. Department of Veteran Affairs Medical Center. Philadelphia, PA.* Developing research project on long-term outcome of critical care illness.
 |
| **01/2015 – 07/2015** | **Visiting Professor**. Cardinal Stefan Wyszynski University. Warsaw, Poland.* Designing and conducting coursework on mechanism of coping with disease and long-term outcome of critical care illness for undergraduate and graduate student in the form of e-learning, lectures, seminars and research projects.
* The mechanism of coping with professional stress.
 |
| **09/1999 – 10/1998** | **Intern**. Department of Internal Medicine, Surgery and Anesthesiology. Central Hospital of the Polish Army. Warsaw, Poland* Rotation in anesthesiology and critical care predominantly.
 |

**Professional Volunteering**:

|  |  |
| --- | --- |
| **11/2010** | Health Volunteers Overseas – Department of Anesthesiology. Nelson Mandela Medical Hospital. Walter Sisulu University of Science and Technology. Mthatha, Republic of South Africa. |
| **10/2009** | Health Volunteers Overseas – Department of Anesthesiology. Institute of Traumatology & Orthopedics. Ho Chi Minh City, Vietnam. |
| **02/2009** | Health Volunteers Overseas - Department of Anesthesiology. Bugando Medical Center. Mwanza., Tanzania.  |
| **1999** | Over 1000 hours of volunteer work at University of Massachusetts Medical School. Worcester, MA. |

**Other Professional Experience:**

|  |  |
| --- | --- |
| **Since 2015** | Topics writer for Anesthesia Toolbox Initiative |
| **2012 - 2016** | Critical Care Medicine Board Exam Question Author for the ABA |
| **01/2010** | Invited Consultant for Roche. |
| **01/1998 – 03/1998** | Servier Pharmaceutical Company. Analysis and interpretation patients’ survey forms for clinical evaluation of anticoagulation drug “Detralex™”  |

**Professional Societies**:

|  |  |
| --- | --- |
| **Since 2009** | International Anesthesiology Research Society |
| **Since 2009** | The Society for Critical Care Medicine* Member (Since 2009)
* Chair of In-Training Section (2010 – 2012)
* Member at Large for the In-Training section (Since 2012)
* Member at Large of Post-Graduate Education Committee (2012 – 2017)
* Member at Large of Fundamentals for Critical Care Committee (2012 – 2017)
 |
| **Since 2011** | The Society for Cardiovascular Anesthesia |
| **Since 2006** | The American Association of Anesthesiologist |
| **2005 – 2006** | The American Medical Association |
| **2004 - 2006**  | [The Clinical Immunology Association](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski%5CMy%20Documents%5CX-Files%5CCV%20documents%5CMemberships%5CMembership%20-%20CIS.pdf) |
| **2003 - 2006**  | [The American Association for the Advancement in Science](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CMemberships%5CMembership%20-%20AAAS.pdf) |
| **2003 – 2006** | [The Society for Leukocyte Biology](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski%5CMy%20Documents%5CX-Files%5CCV%20documents%5CMemberships%5CMembership%20-%20SLB.pdf) |
| **2002 – 2006** | [The Surgical Infection Society](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski%5CMy%20Documents%5CX-Files%5CCV%20documents%5CMemberships%5CMemebership%20-%20SIS.pdf) |
| **2003 – 2005** | [The American Psychology Association](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski%5CMy%20Documents%5CX-Files%5CCV%20documents%5CMemberships%5CMembership%20APA.pdf) |
| **Since 2001** | The Polish Association of Psychology |
| **Since 2002** | [The Shock Society](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CMemberships%5CShock%20membership.pdf)  |
| **2002 – 2006** | [The Cell Stress Response Society](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski%5CMy%20Documents%5CX-Files%5CCV%20documents%5CMemberships%5CMembership%20-%20CSSI.pdf) |
| **2002 – 2006** | [The International Endotoxin Society](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski%5CMy%20Documents%5CX-Files%5CCV%20documents%5CMemberships%5CMembership%20-%20IES.pdf) |
| **Since 2003** | The American Association of Immunology |
| **Since 1999** | The Polish Society of Analytical Anesthesiology |
| **Since 2000** | [The Worcester Institute for Student Exchange](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5CMicrosoft%5CWord%5CHonor%20and%20Awards%5CHonors%20-%201998%20-%20WISE.pdf)* Awarded Scholarship
* Alumni
 |
| **Since 1999** | The Polish Association of the Analytical Psychology * Member founder
 |
| **1997- 1998** | The Student Council at The Medical University at Warsaw* Organizing student research conference
* Member of Supervising Student Board
 |
| **1994 – 1998**  | [The Polish International Students’ Exchange Committee, International Association of Medical Student Associations.](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski%5CMy%20Documents%5CX-Files%5CCV%20documents%5CMemberships%5CMembership%20-%20IFMSA.pdf)* Organizing international exchange during two summers
* Head of the Scientific Exchange Branch of PolMSIC
 |
| **1996 – 1998**  | The Student Anesthesiology Society “Ankona”. The Medical University of Warsaw. * Participating in clinical duties in at the anesthesiology departments.
 |
| **1995 – 1999** | The Student Physiology Society. The Medical University of Warsaw.* Mentor (1998-1999),
* Head (1996-1998),
* Member (1995-1996).
* Participating in research conducted in the Department of Physiology. Developing independent founded research program. Student mentoring and teaching.
 |
| **1995 – 1996** | The Student Microbiological Society. The Medical University of Warsaw.* Participating in research project on epidemiology of Clostridium difficile bacteria in newborn.
 |

**Editorial Boards**:

|  |  |
| --- | --- |
| **Since 2015** | Editorial Board, Journal of Clinical Anesthesia |
| **Since 2015** | Editorial Board, Medical Science Monitor. |
| **Since 2014** | Reviewer, Medical Science Monitor. |
| **Since 2014** | Reviewer, New Horizon. |
| **Since 2013** | Reviewer, Member of Advisor Board, OA Medical Hypothesize. |
| **Since 2013** | Reviewer, Peritoneal Dialysis International |
| **Since 2011** | Reviewer, Journal of Critical Care. |
| **Since 2009** | Reviewer, Journal of Clinical Anesthesiology. |
| **Since 2009** | Editor Board Member, Journal of Anesthesia and Research. |
| **2008 – 2009** | Reviewer, British Medical Journal Case Report. |
| **2002 - 2005** | *Ad hoc* reviewer, Shock Journal. |

**Awards and Honors**:

|  |  |
| --- | --- |
| **2015**  | Abstract “*Increased influence of M-CSF results in diminished ability of circulating monocytes to regulate immune system*”. 1st Kosaka Abstract Awards at IARS 2015. Honolulu, HI.  |
| **2015** | Abstract “*Transition to the first job*”. Best Abstract at SCCM 2015, Phoneix, AZ. Crit Care Med 2014;42(12):A1438. |
| **2012** | Presidential Citation. Society for Critical Care Medicine* Award for exceptional service to the society by creating a workshop developing skills for young doctors during their transition to the first job.
 |
| **2006** | The Best Intern. Griffin Hospital. Yale School of Medicine. Derby, CT. |
| **2004**  | [The Travel Award. The International Endotoxin Society.](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5CMicrosoft%5CWord%5CHonor%20and%20Awards%5C2004%20IES%20award.pdf) |
| **2003** | [The Travel Award. The Society of Leukocyte Biology.](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CHonor%20and%20Awards%5CSLB%20Travel%20Award.pdf) |
| **1999** | Golden pin in recognition of 700 hours in Volunteer Hospital Service at University for Massachusetts Medical School. Worcester, MA. |
| **1999** | [The Scholarship of the Worcester Institute for Student Exchange.](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CHonor%20and%20Awards%5CWISE%20scholarship.pdf) Bangor, ME. |
| **1999 - 2000** | [The Governmental Stipend by Polish Ministry of Education on account of extraordinary accomplishment in science (Awarded 3 times in consecutive years)](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CHonor%20and%20Awards%5CMEN%20stipends.pdf). Warsaw, Poland. |
| **1998** | [The Golden Badge Distinction by Student Scientific Council at The Medical University at Warsaw in recognition outstanding accomplishment in science and excellent attitude of young scientist.](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski%5CMy%20Documents%5CX-Files%5CCV%20documents%5CHonor%20and%20Awards%5CAM%20-%20Zlota%20Odznaka%20AM.pdf) Warsaw, Poland. |
| **1998** | [The Award at 2nd Student Scientific Conference at the Medical University of Warsaw for presentation “*The influence of the stimulation and blockade of the centrally imidazoline receptors type one on the cardiovascular functions under resting conditions and during hypovolemic shock in the WKY rats*”](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CHonor%20and%20Awards%5CKonferencja%20w%20Warszawie%2098%20-%20wyroznienie.pdf). Warsaw, Poland. |
| **1997** | [The Travel Scholarship of The King Batory Foundation, The Polish Branch of Soros Foundation.](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CHonor%20and%20Awards%5CAward%20-%20Batory.pdf) Warsaw, Poland. |
| **1997-1998** | [The Scholarship of the Polish Ministry of Health for the Student Leaders in Science (2 times awarded).](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CHonor%20and%20Awards%5CMZiOS%20stipends.pdf) Warsaw, Poland. |
| **1994-1997** | The Stipend of the Medical University of Warsaw (Awarded 3 times), Poland |

**PART II: RESEARCH CONTRIBUTIONS**

|  |  |
| --- | --- |
| **2015** | Co- Principal Investigator on Central Military Hospital Project “*Long-term acquired immunity disorders after dialysis*”. Military Medical University. Warsaw POLAND. ($40,000) **PI Zbigniew Nowak** |
| **2013** | Principal Investigator on Groff’s Foundation Project “*Long-term acquired immunity dysfunction after severe stress*”. University of Pennsylvania. ($35,000) **PI Krzysztof Laudanski** |
| **2013** | Principal Investigator on Vision Grant by Society for Critical Care Medicine “*Long-term decline of acquired immunity after sepsis in humanized mice*” University of Pennsylvania. ($50,000) **PI Krzysztof Laudanski** |
| **2009 - 2010** | Co-PI in project “*Ketamine and sepsis*” Beth Israel Medical Center, Harvard Medical School. **PI Daniel Talmor.** |
| **2009 – 2008** | Co-investigator in research “*Postoperative cognitive decline in Alzheimer disease*”. University of Florida College of Medicine. **PI Mary Hammond** |
| **2007 - 2008** | Co-PI in Research Project “*The effect of elevated ferritin level on ECG*”. Griffin Hospital. **PI Lisa Calvocoressi.** |
| **2003 – 2006** | [Co-investigator in the NIS-sponsored grant entitled “*Is aberrant MO pivotal in post-trauma MODS?*” 5-years award. **PI Carol Miller-Graziano**](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5CMicrosoft%5CWord%5CResearch%20activities%5CMO%20Grant%20-%20Co%20investigator.pdf)  |
| **2002 – 2006** | Post doctoral fellow in the NIH-sponsored grant entitled “*T cells aberration in trauma patients*”. **PI Carol Miller-Graziano** |
| **1998 – 1999** | Co-investigator in Research Subvention *“The influence of the ovariectomy on the function of the central nitrergic system in cardiovascular functions*” founded by the Medical University at Warsaw. **PI Agnieszka Cudnoch-Jedrzejewska**. 1-year award. |
| **1997 – 1998** | [Principal Investigator in Research Subvention on “*The role of the central imidazoline receptors in pathogenesis of the hypertension with special regards to the role of the nitric oxide*” founded by the Medical University at Warsaw. 1-year award](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski%5CMy%20Documents%5CX-Files%5CCV%20documents%5CResearch%20activities%5CGrant%20studencki%20-%20decyzja%20o%20przyznaniu.pdf). **PI Krzysztof Laudanski** |
| **1996 – 1997** | [Principal Investigator in Student Research Grant founded by the Medical University at Warsaw. 1-year award](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5CMicrosoft%5CWord%5CResearch%20activities%5CGrant%20studencki%20-%20S148.pdf). **PI Krzysztof Laudanski** |

**PART III: TEACHING CONTRIBUTIONS**

**Advisor (over 20 people mentored):**

|  |  |
| --- | --- |
| **1996 – 1999** | Agnieszka Cudnoch-Jedrzejewska MD* Student mentoring during participation in research program. **Current Position: Chair of the Department of Physiology Medical University of Warsaw**
 |
| **06/2002 – 08/2002** | John Cudara BS* Summer undergraduate student enrichment program (2 months). Last known position – Ph.D student at University of Connecticut Health Centre.
 |
| **06/2013 - 12/2013** | Tiffany Connely* Conducting experiment, data analysis. **Current position: Analytical scientist QS Pharma. Cherry Hill, NJ.**
 |
| **06/2014 – 12/2014** | Hanna Oszkiel* Research program; **Current position – Research Associate at Medical Research Center; Warsaw. POLAND.**
 |
| **06/2014 – 09/2014** | Mateusz Zawadka* Research program. **Current position: Resident; Warsaw University of Medicine. Warsaw. POLAND.**
 |

**Teaching:**

|  |  |
| --- | --- |
| **Since 2015** | **University of Cardinal Wyszynski. Department of Psychology*** Conducting curriculum for undergraduate student on psychological aspect of stress in medicine.
 |
| **Since 2010** | **University of Pennsylvania. Department of Anesthesiology and Critical Care. Philadelphia, PA.*** Conducting classes in critical care for PGY-1 through PGY-4 residents in anesthesiology.
* Mentoring student research projects.
* PARC 2012 Abstract presentation. “*A longitudinal survey of the effects of participation in a medical elective in developing countries by anesthesia residents”* Reed, AE, Siry RA, Dohlman L, Laudanski K.
* PARC 2015 Abstract presentation *“Acute Hypotension Following 50% Dextrose Injections: A Case Report”*. Saites V, Laudanski K, Jackson M.
* PARC 2015 Oral presentation *“Successful management of HLH with ECMO”*. Hadler R, Laudanski K.
 |
| **1998-1999** | **The Medical University of Warsaw, Poland**.* Conducting classes, lectures and presentations for the 2nd year student within regular curricula in physiology.
 |

**Lectures:**

|  |  |  |
| --- | --- | --- |
| **2/2015** | **Speaker** | **47th Annual Meeting. Society of Critical Care Medicine.** Orlando, FL* “*Humanized model of sepsis*”
 |
| **12/2015** | **Invited Lecturer** | **Gaisinger Health System. Danville, PA.***“Long-term outcome of critical care event”* |
| **8/2015** | **Invited Lecturer** | **University of Florida.**Gainesville, FL.*“Long-term outcome of cardiopulmonary bypass”* |
| **5/2014** | **Invited Lecturer**  | **University of Cardinal Wyszynski.**Warsaw, Poland* *“Stress of medicine”*
 |
| **12/2013** | **Invited Lecturer**  | **University of Cardinal Wyszynski.**Warsaw, Poland* *“Coping with disaster related stress”*
 |
| **12/2013** | **Invited Lecturer** | **Central Military Institute**. Warsaw, Poland* “*PTSD symptoms in dialysed patients*”
 |
| **12/2011** | **Invited Lecturer** | **University of Cardinal Wyszynski.** Warsaw, Poland* *“Psychoneuroimmunology”*
 |
| **5/2005** | **Oral presentation** | **Surgical Infection Society Miami,** FL, * “*Trauma patients’ anergic T cells express unique negative co-stimulatory receptors*”
 |
| **4/2005** | **Oral presentation** | 36th Society for Leukocyte Biology Meeting. * “*Exogenous HSP-27 mimics MO aberration those of trauma patients*”.
 |
| **12/2003** | **Invited Lecturer** | **The Central Clinical Hospital of the Polish Army*** *“Novel techniques in diagnosis and treatment – gene chip”.*
 |
| **10/2003** | **Invited Lecturer** | **36th Society for Leukocyte Biology Meeting** “*Exogenous HSP-27 mimics MO aberration those of trauma patient.*” |
| **8/1999** | **Invited Lecturer** | **The Central Clinical Hospital of the Polish Army*** “*Quality of life in dialyzed patients and methods of its study”*
 |
|  |
|  |

**PART V: BIBLIOGRAPHY**

|  |  |
| --- | --- |
| **Books** | 1. [**Laudanski K**, Miller-Graziano CL. “*Hsp-27 stimulation of human monocytes involves TLR4/CD14 complex*” Immunology 2004. Medimond, Bologna, Italy](file:///C%3A%5CUsers%5CKfLaudanski%5CAppData%5CRoaming%5CMicrosoft%5CWord%5CPublications%5CPublication%20-%202004%20-%20Immunology%202004.pdf)**.**
2. **Laudanski K**, De A, Miller-Graziano CL. “”Hsp-27 as an anti-inflammatory protein”. B.Handerson, G.Pockley [ed.] “The extracellular biology of molecular chaperones” Cambridge University Press. Oxford. England.
 |
| **Publications** | 1. **Laudanski K,** Zawadka M, Lapko N, Gutsche J, Szeto WY “*Cardiopulmonary bypass results in protracted elevation of macrophage-colony stimulation factor production by peripheral blood monocytes and depression of regulatory function*” Anesthesiology (submitted).
2. **Laudanski K**, Zawadka “*The ability of MO to differentiate varies between individuals but is stable over time*”. Medical Science Monitor (submitted).
3. **Laudanski K,** Nowak Z “[*Conformity scores differentiate elderly hemodialyzed (HD) and patients with continuous peritoneal dialysis (CAPD).*](http://www.medscimonit.com/authorsPanelManuscript/manuscript/idArt/897941/open/0)” Medical Science Monitor (submitted).
4. **Laudanski** **K** “*Vision Grant*” SCCM Connection 2016
5. **Laudanski K** “*Specific or non-specific? There is very little light at the end of the tunnel*” Anesthesiology 2016 (accepted for publication)
6. **Laudanski K**, Saites V “*Hypotension after injection of 50% dextrose*”. Anesthesia & Analgesia Case Report 2016 (accepted for publication).
7. **Laudanski K**, Zawadka M, Wahome, J, Szeto WY, Worthen GS.  *“An acquired monocyte in the dendritic cell differentiation defect persists long-term after a critical care event due to the M-CSF overproduction”.* Crit Car Med. (accepted for publication)
8. **Laudanski K**, Meng Q, Zawadka M, Oszkiel H, Lapko N, Nowak Z, Worthen SG, „*Ketamine affects the differentiation of monocytes into immature dendritic cells via Transforming Growth Factor β*” Anesthesiology 2015; 123(3)”628-41.
9. Khana A, Laudanski K *“Septic shock and anesthesia: Much ado about nothing”*. J Anesthesiol Clin Pharmacol 2014;30(4):48-483.
10. Nowak Z, Wankowicz Z, **Laudanski K** “*Denial mechanism in dialyzed patients*” Med Sci Mon. 2015;21:1789-805.
11. **Laudanski K**, R.Eckenhoff “*Anesthesia-induced neuroinflammation*” JPAM 2014;1(2):120-124.
12. Khanna AK, Perez ER, Laudanski K, Moraska A, Cummings III CC. “*Perioperative care and cancer recurrence*” WJD 2014; 31(1):31-45.
13. Mayur, PB, **Laudanski, K**, Pandharipande, PP “*An international Career Development Survey of Critical Care Practitioners*”. Crit Care Med 2014;42(4):e300-3.
14. **Laudanski K,** Nowak Z, Niemczyk S **“***Age related differences in quality of life in the patients enrolled in hemodialysis on continuos peritoneal dialysis***”** Med Sci Monit 2013;20:378-385.
15. Pieczynski L, Speck R, **Laudanski K**, McCunn M. “*Analysis of Field Reports From Anesthesia Volunteers in Low-Middle Income Countries*” Medical Education 2013;47(10):1029-1036.
16. **Laudanski K**, Nowak Z “*The perception of the illness with subsequent outcome measure in more favorable in continuous peritoneal dialysis vs hemodialysis in the framework of appraisal model of stress*” Int J Med Sci 2014 Feb 4;11(3):291-7
17. Eckenhoff RG**, Laudanski K.** “*Anesthesia, surgery and Alzheimer’s Disease*”. Prog Neuropsychopharmacol Biol Psychiatry. 2013 Dec (2);47:162-6.
18. **Laudanski K,** Nowak Z. “*Pilot study of the serum levels of heat shock protein 27 in patients after mechanical injuries*” Lekarz Wojskowy 2013;91(1):19-23.
19. **Laudanski K**, Nowak. “*Aberrant function and differentiation of monocytes in the end-stage renal disease*” Arch Immunol Ther Exp (Warsz). 2012 Dec;60(6):453-9;
20. **Laudanski K**. “Ado*ptive transfer of naïve dendritic cells in resolving post-sepsis long-term immunosuppression*“ Med Hypothesize 2012;79(4):478-80
21. Ashisk K, **Laudanski K** “*Critical assessment of critically ill*” SCCM Connection 2012;7; page 20.
22. **Laudanski K**, Ashish K “*Zig Zags of Beginning*” ASA Newsletter 2012;76(8):80-81.
23. Laudanski K “*Elevated aPTT and factor XII Deficiency After Complicating Meningioma Resection – What Is The Role of factor XII?*” J.Anest.Clin.Res. 2011; 2(5):1-3.
24. **Laudanski K,** Hernandez H. “*Volume resuscitation in sepsis*” J.Anest.Clin.Res. 2013;4:281:
25. L**audanski K**, Dohlman L. “*Intensive care in poor-resource settings: solutions are at hands at home*” Crit Care Med. 2011;39(10):2385
26. **Laudanski K**, Euliano T. “*Peripartum Acute Coronary Syndrome in an Otherwise Healthy Patient*” J.Clin.Anesth 2011;23(8): 661-665
27. **Laudanski K**, Schwab W, Bukazonis CW, Paulus DA, “*Thermal Damage of the Humidified Ventilator Circuit in the Operating Room – An Analysis of Plausible Cause*s” Anesthesia & Analgesia 2010;111(6): 1433-6.
28. **Laudanski K**, Nowak Z, Wankowicz Z. “*Psychological aspects of dialysis: does cognitive appraisal determine the overall outcome outcome?*” Pol Arch Med. Wen 2010;120(1-2):49-52.
29. **Laudanski K**, Ali, H, Himmel A, Godula K, Stettmeier M, Calvocoressi L “*The relationship between serum ferritin levels and electrocardiogram characteristics in acutely ill patients*” Exp Clin Cardiol 2009;14(3):38-41.
30. **Laudanski K**, Layon J “*Rapid development of chylothorax in a patient with propofol-induced coma*”. BMJ Case Report 2009.
31. [Evans HL](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Evans%20HL%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Cuschieri J](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Cuschieri%20J%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Moore EE](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Moore%20EE%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Shapiro MB](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Shapiro%20MB%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Nathens AB](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Nathens%20AB%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Johnson JL](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Johnson%20JL%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Harbrecht BG](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Harbrecht%20BG%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Minei JP](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Minei%20JP%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Bankey PE](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Bankey%20PE%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Maier RV](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Maier%20RV%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [West MA](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22West%20MA%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Billiar TR](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Billiar%20TR%22&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Brownstein BH](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Brownstein%20BH%22&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Calvano SE](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Calvano%20SE%22&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Chaudry IH](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Chaudry%20IH%22&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Cobb JP](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Cobb%20JP%22&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Cooper C](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Cooper%20C%22&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Davis RW](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Davis%20RW%22&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Fay A](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Fay%20A%22&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Feezor RJ](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Feezor%20RJ%22&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Gamelli RL](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Gamelli%20RL%22&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Gibran NS](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Gibran%20NS%22&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Hayden D](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Hayden%20D%22&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Herndon DN](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Herndon%20DN%22&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Hunt JL](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Hunt%20JL%22&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [**Laudanski K**](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Laudanski%20K%22&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Lederer JA](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Lederer%20JA%22&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Lowry SF](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Lowry%20SF%22&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Mannick JA](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Mannick%20JA%22&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Miller-Graziano CL](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Miller-Graziano%20CL%22&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Mindrinos M](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Mindrinos%20M%22&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Moldawer LL](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Moldawer%20LL%22&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus) et al. “*Inflammation and the host response to injury, a Large-Scale Collaborative Project: patient-oriented research core standard operating procedures for clinical care IX. Definitions for complications of clinical care of critically injured patients*”. J Trauma. 2009 Aug;67(2):384-8.
32. **Laudanski K**, Robicsek S. “[*Anesthesia*](file:///C%3A%5CUsers%5CKfLaudanski%5CAppData%5CRoaming%5CMicrosoft%5CWord%5CPublications%5CPublication%20-%202009%20SAAJA.pdf) *management of acute aortic dissection type B Marfan syndrome complicating d-stage pregnancy*”. SAJAA 2009; 15(3):29-30.
33. **Laudanski K**, Herman M, Berger J. “*Surgical Fire During Organ Procurement*” Int. J Anesth. 2009;19(1). Accessed on 3/26/2009 at <http://www.ispub.com/journal/the_internet_journal_of_anesthesiology/volume_19_number_1/article/surgical_fire_during_organ_procurement.html>
34. **Laudanski K,** Patel S, Peng Y. “*On-going Paradoxical Particulate Embolism during Megaprosthesis Placement*” J Clin Anesth 2009;21(7): 533-7.
35. Miller-Graziano CL, De A, **Laudanski K, Herrman** T, Bandyopadhyay S. “*HSP27: an anti-inflammatory and immunomodulatory stress protein acting to dampen protein function*” Novartis Fund Symp 2008;291:196-208.
36. **Laudanski K**, Miller-Graziano CL, De A. “*Exogenous heat shock protein 27 uniquely blocks differentiation of monocytes to dendritic cells*” Eur J Immunol 2007;37(10):2812-24.
37. G.Bandyopadhyay, A.De**, K.Laudanski**, F.Li,C.Lentz, P.Bankey,C.Miller-Graziano. “*Negative signaling contributes to T-cell anergy in trauma patients*”. Crit Care Med. 2007;35(3):794-801.
38. **Laudanski K**, Miller-Graziano C, Xiao W, Mindrinos MN, Richards DR, De A, Moldawer LL, Maier RV, Bankey P, Baker HV, Brownstein BH, Cobb JP, Calvano SE, Davis RW, Tompkins RG “*Cell-specific expression and pathway analyses reveal alterations in trauma-related human T cell and monocyte pathways*”. Proc Natl Acad Sci USA. 2006;103(42):15564-9.
39. **Laudanski K**, Wyczechowska D. “*The distinctive role of small heat shock proteins in oncogenesis*” Arch Immunol Ther Exp (Warsz). 2006;54(2):103-11. **Corresponding author**
40. **Laudanski K**, De A, Pellegrini J, Miller-Graziano CL. “*Simultaneous aberrations in Mphi and T cell function adversely affect trauma patients' clinical outcome: a possible faulty IL-13 feedback loop*”. Clin Immunol. 2006 Feb-Mar;118(2-3):332-41.
41. De A, Miller-Graziano CL, Calvano SE, **Laudanski K**, Lowry SF, Moldawer LL, Remick DG, Rajicic N, Schoenfeld D, Tompkins RG. “*Selective activation of peripheral blood T cell subsets by endotoxin infusion in healthy human subjects corresponds to differential chemokine activation*” J Immunol. 2005 Nov 1;175(9):6155-62.
42. **Laudanski K,** Wyczechowska D. “*Monocyte-related immunopathologies in trauma patients*”. Arch Exp Immunol Ther 2005;5(23), **Corresponding author**
43. Cobb JP, Mindrinos MN, Miller-Graziano CL, Calvano SE, Baker HV, Xiao W, **Laudanski K**, Browstein BH, Elson C, Hayden DL, Herndon D, Lowry SF, Maier RV, Schoenefeld D, Moldawer LL, Davis R, Tompkins RG. “*Application of genome wide expression analysis to human health and disease*” Proc Natl Acad Sci USA 2005;102:4801-4806.
44. De A, Roach SE, De M, Minielly RC, **Laudanski K**, Miller-Graziano CL, Bankey P. “*Development of a simple method for rapid isolation of polymorphoneuclear leukocytes from human blood*”. J. Immunoassay Immunochem 2005;26:35-42.
45. Szutkowska-Hoser J., Seniow J., Czlonkowska A., **Laudanski K**. “*Cognitive functioning and life activity in patients with hepatic form of Wilson's disease*”. Pol. Psychol.Bull. 2005;36(4):234-238
46. Feezor RJ, Baker HV, Mindrinos M, Hayden D,Tannahill CL, Brownstein BH, Fay A, MacMillan S, Laramie J, Xiao W, Moldawer LL, Cobb JP, **Laudanski K**, Miller-Graziano CL, Maier RV, Schoenfeld D, Davis RW, Tompkins RG. “*Whole Blood and Leukocyte Isolation for gene Expression Analyses*”. Physiological Genomics. 2004;17:247--254
47. **Laudanski K,** Lis-Turlejska M. “*Immunological aberrancies in PTSD*” Pol. Psychol.Bull. 2004;35:209-216 **Corresponding author**.
48. **Laudanski K**, Brouxhon S, Kyrkanides S, De A, Miller-Graziano CL “*Abnormal PGE2 regulation of monocytes TNF levels in trauma patients parallels changes in macrophage-like receptors of patients’ MØ population.*” Shock. 2004; 22(3):204-12.
49. De A, **Laudanski K**, Miller-Graziano CL. “*Trauma Patients’ Monocyte (MØ) Failure to Convert to Immature Dendritic Cells (iDC) is Related to Preferential M-CSF Driven Macrophage Differentiation*” J.Immunol. 2003;170:6355-6362 **First co-author**.
50. Seniow J, Polanowska K, Mandat T, **Laudanski K**. “*The cognitive impairments due to the occipito-parietal brain injury after gunshot. A successful neurorehabilitation case study*”. Brain Injury 2003; 17:701-713. **Corresponding author**.
51. **Laudanski K**, Nowak Z, Wankowicz Z. “*Mood and illness - related stress in dialyzed patients*”. Pol Merk Lek. 2002:13
52. **Laudanski K**, Nowak Z. “*Quality of life in dialyzed patients - methodological issues*” Pol Merk Lek. 2002:13
53. Nowak Z, **Laudanski K**. “*Calcimimetics as a new chance for effective treatment of calcium metabolism disturbances*”. Pol Merk Lek. 2002:13
54. **Laudanski K**, Cudnoch-Jędrzejewska A. “*Effects of ovariectomy on the regulation of cardiovascular functions in female Wistar rats*”.Med Sci Monit. 2001;7(6):1188-92
 |
| **Abstracts published in peer-reviewed journal**  | 1. *Increased influence of M-CSF results in diminished ability of circulating monocytes to regulate immune system*”. IARS 2015. Honolulu, HI.
2. Watkins L, **Laudanski K** “*Transition to the first job*” SCCM 2015. Crit Care Med 2014;42(12):A1438.
3. **Laudanski K**, Chalupka A, Nielson V, Novack V, Talmor D “*Pilot study of the continuos infusion of ketamine on the cytokine levels in patient with sepsis/SIRS*”. SCCM Puerto Rico 2012. Crit Care Med 2012;40:12 (Suppl 1); K 948
4. **Laudanski K.** “*Denial and adherence of treatment in dialysed patients*” An Annual Meeting of American Association of Nephrology, San Diego, CA 2006.
5. De A, Li F, **Laudanski K,** Miller-Graziano CL. “*Induction of tolerizing dendritic cells may contribute to T cell dysfunctions in trauma patients*” 28th Annual Conference of Denver, 2005. Poster. Shock 23 (Suppl 3): P179.
6. [De A, **Laudanski K,** Maier RV, Bankey PE, Minei JP, Elson C, Hayden D, Schoenfeld DA, Moldawer LL, Tompkins RG, Miller-Graziano CL: 2005. “*Alterations in Th1 Subpopulations Correspond to Clinical Pathology in Severe Trauma Patients”*. FOCIS Boston, 2005.](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5CMicrosoft%5CWord%5CAbstracts%20published%20in%20peer-reviewed%20journals%5C2006%20-%20CI%20-%20Boston.pdf)
7. De A, Li F, **Laudanski K,** Miller-Graziano CL. “*Induction of tolerizing dendritic cells may contribute to T cell dysfunctions in trauma patients*” 28th Annual Conference of Denver, 2005. Poster. Shock 23 (Suppl 3): P179.
8. [Li F, **Laudanski K**, Perez L, Miller-Graziano CL: 2005. “*Delayed IL-10 Induced Human Tolerogenic DC Inhibit Naive T cell Proliferation by Mechanisms Other than their Exaggerated PD-L1/2 Induction*” FOCIS Boston, 2005.](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5CMicrosoft%5CWord%5CAbstracts%20published%20in%20peer-reviewed%20journals%5C2006%20-%20CI%20-%20Boston.pdf)
9. [Ritchlin CT, Shao T, Durham R, Haas-Smith SA, **Laudanski K**, Miller-Graziano CL, Schwarz EM. “*Divergent Monocyte Effector Cell Differentiation in Immune Mediated Inflammatory Disorders”* International Rheumatology Conference, Phoenix, AZ 2004. Arthritis & Rheumatism, Volume 50, Number 9 (Supplement), S325 abstract 767](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5CMicrosoft%5CWord%5CAbstracts%20published%20in%20peer-reviewed%20journals%5C2004%20-%20ACR%20-%20San%20Antonio.pdf)
10. [Miller-Graziano CL, **Laudanski K**, Xiao W and the Inflammation and the Host Response to Injury Collaborative Program “*Transcriptional analysis of purified circulating T cells from trauma patients reveals unique gene interactions undetected in analysis of whole leukocytes.*” 13th International Symposium on Infections in Immunocompromised Patients. Granada, 2004, Spain. **Poster&Oral Presentation**. Intl.J.Infet.Dis 2004;8(Suppl 1);S61-S62.](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5CMicrosoft%5CWord%5CAbstracts%20published%20in%20peer-reviewed%20journals%5C2004%20-%20ICH%20-%20Spain.pdf)
11. [**Laudanski K**, Calvano S, De A, Miller-Graziano CL, and Inflammation and the Host Response to Injury Investigators. “*Comparison of T cell alterations between trauma patients and in vivo LPS challenged volunteers*”. 27TH Annual Conference on Shock. Halifax, 2004. Canada. **Poster.** Shock 21 (Suppl 2):6**.**](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5CMicrosoft%5CWord%5CAbstracts%20published%20in%20peer-reviewed%20journals%5C2004%20-%20Shock.pdf)
12. [Laudanski K, Miller-Graziano CL, Popovich O, Black A. “*Spontaneous transformation of the MUTZ-3 cell line abrogates its differentiation to dendritic cells*” FASEB Experimental Biology Conference. Washington DC 2004. **Poster.** FASEB J. 18(4):A425](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5CMicrosoft%5CWord%5CAbstracts%20published%20in%20peer-reviewed%20journals%5C2004%20-%20FASEB%2C%20Washington.pdf).
13. Perez L, **Laudanski K**, Miller-Graziano CL. “*IL-10 addition during MO to DC differentiation both up-regulates PD-1L on immature DC and increase their macrophage characteristic*.” 36th Society for Leukocyte Biology Meeting. Philadelphia 2003. USA. **Poster.** J.Leuk.Biol 2003 ;(Suppl 1):27.
14. Brouxhon S, **Laudanski K**, Miller-Graziano CL. “*Differential membrane and nuclear PGE2 receptor expression on MO*”. 36th Society for Leukocyte Biology Meeting. Philadelphia 2003. USA. **Poster.** J.Leuk.Biol 2003 ;(Suppl 1):25.
15. **Laudanski K**, De A, Perez L, Miller-Graziano CL. “*Exogenous HSP-27 mimics MO aberration those of trauma patients*” 36th Society for Leukocyte Biology Meeting. Philadelphia 2003. USA. Oral Presentation. J.Leuk.Biol 2003; (Suppl 1):32.
16. [**Laudanski K**, Brouxhon S, Perez L, Miller-Graziano CL. “*Differential EP4 surface expression regulation may contribute to altered MO to iDC differentiation in trauma patients vs. controls.*” 90th Anniversary Meeting of American Association of Immunologists. Denver 2003, CO. USA. **Poster.** FASEB Journal 2003;16 (4);A317.](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CAbstracts%20published%20in%20peer-reviewed%20journals%5C2003%20-%20AAI%20-%20Denver%2C%20CO.pdf)
17. [**Laudanski K**, De A, Miller-Graziano CL. “*Trauma patients’ MO with APC defects have M-CSF driven preferential macrophage but inhibited differentiation*” 26th Annual Conference on Shock. Phoenix 2003, AZ. USA. **Poster.** Shock 2003; 19 (Suppl 1):22.](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5CMicrosoft%5CWord%5CAbstracts%20published%20in%20peer-reviewed%20journals%5C2003%20-%20Shock%2C%20Phoenix.pdf)
18. [**Laudanski K**, Brouxhon S, Miller-Graziano CL. “*Trauma patient monocyte dendritic cell defects corresponds to altered MO TLR4 modulation*” 23rd Annual Meeting of Surgical Infection Society. San Antonio, TX, 2003.**Poster** Surg.Infect 2003;4 (1):120.](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CAbstracts%20published%20in%20peer-reviewed%20journals%5C2003%20Surgical%20Infection%20Society%20-%20San%20Antonio.pdf)
19. [**Laudanski K**, Nowak Z, Wankowicz Z. “*Denial mechanism and adherence to the treatment among dialyzed patients*”. An Annual Meeting of American Association of Nephrology, Philadelphia, PA, USA, 2002. **Poster** .Am.Soc.Nephrol. 2002;13:639A.](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CAbstracts%20published%20in%20peer-reviewed%20journals%5C2002%20American%20Society%20for%20Nephrology%20-%20Philadelphia%2C%20PA.pdf)
20. [Miller-Graziano CL, De A, **Laudanski K.** “*Post Trauma Anergic T cells Have Activated Inhibitory Signal Pathways*”. An Annual Meeting of Professional Research Scientist. Experimental Biology 2002. New Orlean, LO. USA. 2002.**Poster.** FASEBJ;2002;16(4):D185.](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CAbstracts%20published%20in%20peer-reviewed%20journals%5C2002%20FASEB%20Meeting%20-%20New%20Orleans.pdf)
21. [**K.Laudański,** A.De, C.Miller-Graziano. “*T cells chemokine receptors parallel Th1/Th2 phenotypical lymphokine levels”*. 25th Annual Conference on Shock. Big Sky, MO, USA, 2002. Shock 2002;17 (Suppl 1); 24.](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CAbstracts%20published%20in%20peer-reviewed%20journals%5C2002%20Shock%20Society%20Meeting%20-%20Blue%20Sky.pdf)
22. **Laudański K**, Nowak Z, Wankowicz Z. „*Anxiety and coping with end stage renal disease among dialyzed patients*” American Society of Nephrology. San Francisco, CA 2001.
23. [Nowak Z, **Laudanski K,** Wankowicz Z. “*Coping with anxiety in chronically dialyzed patients*”[polish]. XXXIV Congress of the Polish Society of Internal Medicine. Poznan, 2001. Poland. Poster. Polish Archives of Internal Medicine 2001;105:447.](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CAbstracts%20published%20in%20peer-reviewed%20journals%5C2001%20Zjazd%20Internistow%20Polskich%20-%20Poznan.pdf)
24. Laudanski K, Nowak Z, Wańkowicz Z. “*Coping with ESRD-related stress in dialyzed patients”.* Vth ERA-EDTA Congress. Vienna 2001. Austria. Nephr Dial Transplant 2001;16:A175*.*
25. [**Laudanski K**, Nowak Z, Wankowicz Z. „*The impact of the mood on the coping with the illness related stress in dialyzed patients*”. XI International Congress of The Society for Peritoneal Dialysis, Montreal 2001. Canada.Perit.Dial.Internat. 2001;21;Suppl 2:S153.](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CAbstracts%20published%20in%20peer-reviewed%20journals%5C2001%20-%20ISPD%2C%20Montreal.pdf)
26. [De A**, Laudanski K**, Miller-Graziano CL. “*Contrasting role of heat shock protein (HSP) 27 on dendritic cells (DC) differentiation vs. maturation*” Joint Meeting of the Society for Leukocyte Biology and the International Cytokine Society. Maui, HI, 2001. USA. J.Leukocyt.Biol 2001; Suppl 1; 98.](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CAbstracts%20published%20in%20peer-reviewed%20journals%5C2001%20-%20Leukocyte%20Biology%20Meeting%20-%20Maui.pdf)
27. [Miller-Graziano CL, De A, Kodys K, **Laudanski** K. “*HSP-27, a new preferential anti-inflammatory monokine stimulus”* II International Conference on Heat Shock Proteins Immune Response. Farmington CT 2000. USA. Cell Stress and Chaperones 2000; Vol 5(4), 385.](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CAbstracts%20published%20in%20peer-reviewed%20journals%5C2000%20-%20Heat%20Shock%20and%20Chaperones%20-%20Framingham.pdf)
28. Miller-Graziano CL, De A, Kodys K, **Laudanski K.** *“Post injury phosphorylation of P38α or its substrate MAPKAP-2 does not parallel total P38 hyperactivation*” 34th Annual Meeting Society for Leukocyte Biology. Cambridge 2000. USA. J.Leukocyt.Biol 2000; Suppl 2000:13
29. Miller-Graziano CL, De A, **Laudanski K**, Kodys K. “*Altered receptor expression on patient MO diminishes their dendritic cell (DC) maturation*” The American Association of Immunologist and Clinical Immunology Society Joint Annual Meeting, Seattle 2000, USA.
30. [Paczwa P, Muranski P, **Laudanski K**, Szczepanska-Sadowska E. “*Effect of centrally applied L-NAME on hemodynamic adaptation to sodium challenge in hypertensive and normotensive rats”*. 30th Annual Meeting of European Society for Clinical Investigation. Interlaken, Switzerland 1996. J.Clin.Inv. 1996; Suppl 1:243](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski%5CMy%20Documents%5CX-Files%5CCV%20documents%5CAbstracts%20published%20in%20peer-reviewed%20journals%5C1999%20-%20ESCI%20-%20England.pdf)
 |
| **Abstracts published in conference proceedings** | 1. **Laudanski K**, Worthen G.S “*Ketamine affect differentiation fate of MO via non-apoptotic mechanism*”. Society of Critical Care Medicine 2014, San Francisco, CA.
2. Laudanski K, Gutsche J, Connely T, Szeto W, Atluri P, Worthen G.S “*Cardiopulmonary bypass triggers diminished ability of antigen-presenting cells to process antigen in some patients”*. International Anesthesia Research Society 2014, Montreal, Canada.
3. **Laudanski K**, Gutsche J, Connely T, Szeto W, Atluri P, Worthen G.S. “Flow cytometric evidence *of diminished ability of monocyte to differentiateinto mature dendritic cells shortly after cardiopulmonary bypass.*” Sociaty of Cardiovascular Anesthesiologists 2014, New Orleans, LA, USA
4. **Laudanski K**., Worthen G.S. “*Ketamine Diminishes the Ability of IL-4 and GM-CSF to Stimulate Monocytes to Become Effective Antigen Processing* *Cells*” American Society of Anesthesiologists 2013 ,San Francisco, CA.
5. Reed, AE, Siry RA, Dohlman L, **Laudanski K.** “*A longitudinal survey of the effects of participation in a medical elective in developing countries by anesthesia residents*” PAARC. Philadelphia PA 2012
6. Price K, Herman M, **Laudanski K**. “*Pilot study of pre-surgery memory impairment and frequency of post-operative decline*”. Abstract #A720; Annual Meeting of American Society of Anesthesiology, New Orleans, LA 2009.
7. **Laudanski K**, Robicsek S. “*Management of dissecting B aorta in C-Section of Marfan’s patient”*. American Society Meeting. New Orleans LO 2009
8. [L**audanski K**, Calvocoressi L. “*The effect of ferritin on ECG characteristics in acute ill patients*” UoF Research Day. Gainesville FL 2009](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5CMicrosoft%5CWord%5CAbstracts%20published%20in%20congress%20proceedings%5C2009%20-%20UoF%20Research%20Day.pdf)
9. **Laudanski K**, Layon J. “*Spontaneous chylothorax complicating intracranial hemorrhage”* Gulf Anesthesiology Annual Regional Conference. St Louis, LO 2008.
10. **Laudanski K**, Patel S. “*On-going Paradoxical Particulate Embolism during Megaprosthesis Placement*” Gulf Anesthesiology Annual Regional Conference. St Louis, LO 2007.
11. **Laudanski K**, Himmel A, Ali H, Calvocoressi L, PearsonN, Godula K, Stettmaier M. “*Relationship between high serum ferritin levels and Qt/QTc*. 13th World Congress on Heart Disease, Vancouver 2007. Poster
12. Miller-Graziano CL, **Laudanski K**, Xiao W, Mindrinos M, Moldawer L, De A, Bankey P, Baker HV, Brownstein BH, Cobb JP, Tompkins R, Davis R, Inflammation & Host Response to Injury Large Scale Collaborative Program: 2005. “*Microarray Identification of Novel Receptor-Signaling Pathways in Segregated Leukocyte Populations from Severely Traumatized Patients”*. 3rd Symposium on the Functional Genomics of Critical Illness and Injury, Bethesda, MD.
13. [**Laudanski K**, De A, Calvano S, Lowry S, Miller-Graziano CL. “*In vivo LPS-induced differential activation of lymphocyte subpopulation*” 36th Society for Leukocyte Biology Meeting. Philadelphia 2003. USA.Poster.](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski%5CMy%20Documents%5CX-Files%5CCV%20documents%5CAbstracts%20published%20in%20peer-reviewed%20journals%5C2003%20-%20Society%20for%20Leukocyte%20Biology%20-%20Philadelphia.pdf)
14. Brouxhon S, **Laudanski K**, Schneider S, Miller-Graziano CL. “*Early Altered monocyte receptors may presage susceptibility of trauma patients to subsequent multiple organ dysfunction syndrome and sepsis*” American College of Emergency Physicians – Scientific Assembly. Boston MA 2003. USA.**Poster**
15. [**Laudanski K**, Nowak Z, Wankowicz Z. “*The relationship between* *coping with the illness-related stress and the mood in patients with end stage renal disease*” IV Baltic Meeting on Nephrology. Gdansk 2001. Poland.**Poster**.](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CAbstracts%20published%20in%20congress%20proceedings%5C2001%20Baltic%20Nephrology%20Meeting%20-%20Jurata.pdf)
16. [De A, Kodys K**, Laudansk**i **K**, Bankey P, Miller-Graziano CL. “*Post*-*trauma differential activation of P38 MAPKinase isoforms may trigger monocyte dysfunctions”.* 20th Annual Meeting of the Surgical Infection Society. Providence NH, 2000.USA.**Poster.**](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CAbstracts%20published%20in%20congress%20proceedings%5C2000%20-%20Surgical%20Infection%20Society%2C%20Providence%2C%20NH.pdf)
17. **Laudanski K**, Cudnoch-Jędrzejewska A. “*The influence of the ovariectomy in the role of the central nitrergic system in cardiovascular system regulation*” XXII Conference of the Polish Physiological Society, Poznan 1999, Poland. **Poster**
18. [**Laudanski K.** “*The influence of the stimulation and blockade of the centrally imidazoline receptors type one on the cardiovascular functions under resting conditions and during hypovolemic shock in the WKY rats*”[polish] IInd Student Domestic Conference of the Medical Academy of Warsaw, Warsaw 1998.](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski.URMC%5CApplication%20Data%5CMicrosoft%5CWord%5CAbstracts%20published%20in%20congress%20proceedings%5C1998r.%20-%20Konferencja%20Mlodych%20Medykow.pdf) **Poster**
19. **Nowak K**, Szczesny A. “*The colonization of the gastrointestinal tract by Clostridium difficile in patients of the Public Clinical Hospital in Warsaw*”[polish] IV Conference of the Student Scientific Society, Warsaw 1995, Poland. **Poster**
20. Muranski P, **Nowak K**. “*The role of centrally released NO in regulation of the cardiovascular system in normotensive rats*”[polish] IV Conference of the Student Scientific Society, Warsaw 1995, Poland. **Poster.**
 |
| **Languages** | English – fluent written and spoken ([TOEFL – 280/300](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5Cklaudanski%5CMy%20Documents%5CX-Files%5CWyjazdy%5CStany%20Zjednoczone%5CLicencja%20medyczna%5CTOEFL%20score.pdf)) [(TSE – 50/60)](file:///C%3A%5CUsers%5CAdministrator%5CAppData%5CRoaming%5CMicrosoft%5CWord%5CMiscellanea%5CTSE.pdf) |
|  | Russian – some spoken abilities |
|  | German – communication skills |
|  | Polish – native |
| **Interests & activities** | Class A paragliding license, scuba diving (advanced, nitrous and deep diver certificates), astronomy, hiking. |