CURRICULUM VITAE
Magdalena + Murawska

Contact: Warszawa, Poland,
+48606203405, mmurawska@biostatcode.org

PERSONAL DETAIL

Date of Birth: 23 05 1979
Nationality: Polish

KEY SKILLS & COMPETENCES

- Total years of professional experience: 14
- Experience was gained in pharma+Public sector+ Research Centre+Academia Research
- Key responsibilities in statistics: statistical analysis, planning clinical trials, teaching, software development
- Main statistical methodologies: classical and Bayesian, neuron networks
- Main therapeutic areas: cancer, genetics, observational studies
- Main study phases: III and IV
- Main statistical software: R, SAS, STATA
- Key responsibilities in programming: software development in R, to be used via web also (shiny), parallel programming (R), simulation design using grids and super computers, Bayesian methods (OpenBUGS/WinBUGS)
- International experience developed in: Belgium, Netherlands, Vienna, US, Spain
- Project management experience: as a freelancer

EMPLOYMENT/RESEARCH

Since 05/2015   ixSTAT
                                     Co-owner, Private
                                     Position: biostatistician

Main Responsibilities
- Statistical analysis
- Courses on programming in R
- Main statistical methodologies: Bayesian and classical
- Therapeutic areas + study phases: different
- Main statistical/SAS procedures: R

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06/2014 to 12/2014	Richard M Fairbanks, School of Public Health, Inidanapolis and ISGlobal Barcelona Institute for Global Health, Research Centre, US Department of biostatistics Position: post-doc

Main Responsibilities
- Developing methods for immunoassays calibration
- Working on R package
- Main statistical methodologies: Bayesian and classical nonlinear models
- Therapeutic areas + study phases: Malaria study
- Main statistical software used: R

Main achievement
- Presenting methods for immunoassays calibration on ENAR 2015
- R package drLumi : quality control routines for multiplex immunoassay data, including several approaches for: treating the background noise of the assay, fitting the dose-response curves and estimating the limits of quantification

06/2014 to 04/2014	Erasmus MC, Rotterdam, Netherlands Department of biostatistics Position: PhD

Main Responsibilities
- Developing methods for dynamic prediction from survival and longitudinal outcomes
- Working for Eurotransplant in Leiden
- Main statistical methodologies: Bayesian joint models
- Therapeutic areas + study phases: transplantation studies
- Main statistical software used: R

Main achievement
- Developing a novel model for dynamic prediction for heart transplant patients
- Student Award on ISCB Conference in Bergen, 2012
- R software implementation in shiny available for clinicians via www.

02/2004 to 12/2011	Warsaw Center of Oncology, Public, Poland Department of Biostatistics and Clinical Trials Position: biostatistician

Main Responsibilities
- Design and analysis of clinical trials
- Statistical analyses of retrospective data
- Statistical consultations and educational courses for physicians
- Main statistical methodologies: survival analysis
- Therapeutic areas + study phases: oncology, II and IV
- Main statistical software used: R, SAS

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Main achievement

- Several medical papers published

FREELANCE

06/2015   2kmm,
                                         Private, Poland
                                         Position: biostatistician

Main Responsibilities
- Freelance
- Statistical analyses, writing SAP
- Main statistical methodologies: classical linear models
- Therapeutic areas + study phases: cosmetics surgery
- Main statistical procedures: R

01/2008 to 12/2008   The Medical Centre of Postgraduate Education,
                                         Public, Poland
                                         Position: biostatistician

Main Responsibilities
- Statistical analyses
- Main statistical methodologies: survival analysis
- Therapeutic areas + study phases: different areas
- Main statistical software used: R, STATA

01/2008 to 12/2008   Poznan University of Medical Sciences,
                                         Public, Poland
                                         Position: biostatistician

Main Responsibilities
- Statistical analyses, consultations
- Main statistical methodologies: survival analysis
- Therapeutic areas + study phases: different areas
- Main statistical software used: R, SAS, STATA

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01/2008 to 12/2008   Softword,
                                          Private, Poland
                                          Position: biostatistician

Main Responsibilities
- Freelance
- Statistical analyses, consultations
- Main statistical methodologies: survival analysis, linear models
- Therapeutic areas + study phases: different areas
- Main statistical software used: R

Main achievement

- Translating of user manual for statistical software

01/2008 to 12/2008   LABoratory & Co,
                                          Private, Poland
                                          Position: biostatistician

Main Responsibilities
- Freelance
- Statistical analyses, consultations
- Main statistical methodologies: functional data
- Therapeutic areas + study phases: neurology
- Main statistical software used: R

Main achievement

- Developing of statistical methods for the analysis of EEG data

EDUCATION

2014 – post-doc in Indianapolis University

2009 - 2013 - PhD in Biostatistics, Erasmus Medical Center, Rotterdam, the Netherlands (*Extensions in Joint Modeling of Survival and Longitudinal Outcomes*)

2007 - 2009 - working on Bayesian methods in genetics, cooperation with Vienna University

2005 - 2006- MSc in Biostatistics with distinction, University Limburg- School for Informational Technology, Belgium

1998 - 2003 - MSc in Mathematics, University of Warsaw, Poland

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AWARDS

ISCB 2012 Student Award, First Prize, Bergen, Norway

COURSES/CONFERENCES/WORKSHOPS

ISCB (The International Society for Clinical Biostatistics) Annual Conference:

      2004-Leiden, Netherlands

      2007-Alexandropolis, Greece

      2010- Montpelier, France

      2012- Bergen, Norway

IWSM (International Workshop on Statistical Modeling) Annual Conference:

2011-Valencia, Spain

2013- Palermo, Italy

ICM (Interdisciplinary Center of Mathematical Modeling) Annual Conference:

      2008 -Warsaw, Poland

      2009 -Nowy Zyzdroj, Poland

      2013 -Plock, Poland

Internal courses in Erasmus MC

MEMBERSHIP

since 2004 - The International Society for Clinical Biostatistics

ADDITIONAL INFORMATION

2003-2004- pedagogical course, Civic Educational Association (STO), Poland

COMPUTING SKILLS

statistical software: SAS, S-Plus, R, Stata, MATLAB, STATISTICA, StatXact, Statgraphics, SPSS, Win(Open)BUGS, INLA, JAGS, C.A.MAN (mixture of population analysis); EAst;

genetic software: PBAT; Windows, Linux, MS Office, programming in: R (including web interface and computations on clusters), Delphi/Pascal, C++ (basic level), VBA

LANGUAGES

Polish - native

English – fluent

Dutch- good

PUBLICATIONS

Statistical:

A Two-Stage Joint Model for Nonlinear Longitudinal Response and a Time-to-Event with Application in Transplantation Studies, Magdalena Murawska, Dimitris Rizopoulos, Emmanuel Lesaffre, J Probability and Statistics Vol 2012 (2012), Article ID 194194, 18 pages doi:10.1155/2012/194194.

Asymptotic Bayes optimality under sparsity for general priors under the alternative, Frommlet F., Chakrabarti A, Murawska M. , and Bogdan M. (technical report)

Dynamic Predictions for Categorical Longitudinal Responses and Event Data with Application in Transplantation Studies, Murawska M., Rizopoulos D. and Emmanuel Lesaffre, submitted.

Dynamic Predictions with Time-Dependent Covariates in Survival Analysis using Joint Modeling and Landmarking, Dimitris Rizopoulos, Magdalena Murawska, Eleni-RosalinaAndrinopoulou, Geert Molenberghs, Johanna J.M. Takkenberg and Emmanuel Lesaffre, submitted.

Simple analysis of non-Markov models: A case study on heart transplant data, Magdalena Murawska, 1 Dimitris Rizopoulos, Statistical Modeling. Vol 2014, doi:10.1177/1471082X14535528

Conferences:

A comparison between landmarking and joint modeling for producing predictions using longitudinal outcomes, Murawska M., Rizopoulos D. and Emmanuel Lesaffre.-presentation on IWSM Conference, Palermo, 8-12 July 2013.

Dynamic Predictions Based on Joint Model for Categorical Response and Time-to-Event, Murawska M., Rizopoulos D.-presentation on Annual ISCB Conference, Bergen, 19-23 August 2012.

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Multi-state models for non Markov process: an application to the heart transplant data, Murawska M., Rizopoulos D and Emmanuel Lesaffre.-poster on IWSM Conference, Valencia, 11-15 July 2011.

Measuring the Effect of Repeated Measures on an Event Time, Murawska M., Rizopoulos D..-presentation on Annual ISCB Conference, Montpelier, 29 August-2 September 2010.

Bayesian methods in multivariate linear regression models in the context of localization of QTL(Quantitative Trait Loci)-presentation, ICM conference, Nowy Zyzdrój, 25-28 March 2009.

Evaluation of Surrogate Markers in Early Drug Development Microarray Experiments, Murawska M., Shkedy Z.-presentation on 28th Annual ISCB Conference, Greece, 28 July-2 August 2007.

Medical (chosen):

Effect of carpal tunnel release on median nerve epineurial flux. Bochen Z, Murawska M, Noszczyk BH. J Plast Reconstr Aesthet Surg. 2017 Nov 29. pii: S1748-6815(17)30497-7. doi: 10.1016/j.bjps.2017.11.031.

Neoatherosclerosis development following bioresorbable vascular scaffold implantation in diabetic and non-diabetic swine. van Ditzhuijzen NS, Kurata M, van den Heuvel M, Sorop O, van Duin RWB, Krabbendam-Peters I, Ligthart J, Witberg K, Murawska M, Bouma B, Villiger M, Garcia-Garcia HM, Serruys PW, Zijlstra F, van Soest G, Duncker DJ, Regar E, van Beusekom HMM. PLoS One. 2017 Sep 12;12(9): e0183419. doi: 10.1371/journal.pone.0183419. eCollection 2017.

Breast Cancer Leptomeningeal Metastasis: The Results of Combined Treatment and the Comparison of Methotrexate and Liposomal Cytarabine As Intra-Cerebrospinal Fluid Chemotherapy. Niwińska A, Rudnicka H, Murawska M. Clin Breast Cancer. 2014 Aug 22. pii: S1526-8209(14)00157-8. doi: 10.1016/j.clbc.2014.07.004.

Relationships among manual body functions, manual capacity, and bimanual performance using the prosthetic upper extremity functional index in children with congenital hand differences. Ardon MS, Janssen WG, Hovius SE, Stam HJ, Murawska M, Roebroeck ME, Selles RW. Phys Ther. 2014 Jun;94(6):767-75. doi: 10.2522/ptj.20130209.

Acute phase proteins in drain fluid: a new screening tool for colorectal anastomotic leakage? The APPEAL study: analysis of parameters predictive for evident anastomotic leakage, Komen N., Slieker J, Willemsen P., Mannaerts G., Pattyn P., Karsten T., de Wilt H., van der Harst E., de Rijke Y.B., Murawska M, Jeekel J2, Lange JF; The APPEAL Study Group, Am J Surg. 2014 Jan 4.

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Stronger relation between impairment and manual capacity in the non-dominant hand than the dominant hand in congenital hand differences; implications for surgical and therapeutic interventions Ardon M.S., Selles R.W., Hovius S.E., Stam H.J., Murawska M., Roebroeck M.E., Janssen W.G. J Hand Ther. 2013 Dec 4.

Measuring Upper Airway Volume: Accuracy and Reliability of Dolphin 3D Software Compared to Manual Segmentation in Craniosynostosis Patients, de Water V.R, Saridin J.K., Bouw F., Murawska M., Koudstaal M.J., J Oral Maxillofac Surg. 2013 Oct 1; (13)00945-2.

Enzyme replacement therapy and fatigue in adults with Pompe disease, Güngör D, de Vries JM, Brusse E, Kruijshaar M.E., Hop W.C., Murawska M, van den Berg L.E, Reuser A.J, van Doorn P.A., Hagemans M.L., Plug I., van der Ploeg A.T., Mol Genet Metab. 2013 Jun;109(2):174-8.

Breast cancer leptomeningeal metastasis: propensity of breast cancer subtypes for leptomeninges and the analysis of factors influencing survival, Niwińska A, Rudnicka H, Murawska M., Med Oncol. 2013 Mar;30(1):408.

Analysis of pattern, time and risk factors influencing recurrence in triple-negative breast cancer patients, Pogoda K, Niwińska A, Murawska M, Pieńkowski T., Med Oncol. 2013 Mar;30(1):388.

Long-term and Perioperative Corticosteroids in Anastomotic Leakage: A Prospective Study of 259 Left-Sided Colorectal Anastomoses, Slieker JC, Komen NA, Mannaerts GH, Karsten TM, Willemsen P, Murawska M, Jeekel J, Lange JF., Arch Surg. 2012.

Nuclear survivin expression is a positive prognostic factor in taxane-platinum-treated ovarian cancer patients, Felisiak-Golabek A, Rembiszewska A, Rzepecka IK, Szafron L,

Madry R, Murawska M, Napiorkowski T, Sobiczewski P, Osuch B, Kupryjanczyk J; the Polish Ovarian Cancer Study Group (POCSG), J Ovarian Res.2011 Nov 10;4(1):20

Factors influencing survival in patients with breast cancer and single or solitary brain metastasis, Niwińska A, Pogoda K, Murawska M, Niwiński P., Eur J Surg Oncol. 2011 Jul; 37(7): 635-42.

Triple-negative breast cancer with brain metastases: a comparison between basal-like and non-basal-like biological subtypes, Niwińska A, Olszewski W, Murawska M, Pogoda K., J Neurooncol. 2011 Dec;105(3):547-53.

New breast cancer recursive partitioning analysis prognostic index in patients with newly diagnosed brain metastases, Niwińska A, Murawska M., Int J Radiat Oncol Biol Phys. 2012 Apr 1;82(5):2065-71. Epub 2011 May 17.

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Breast cancer subtypes and response to systemic treatment after whole-brain radiotherapy in patients with brain metastases, Niwinska A., Murawska M., Pogoda K., Cancer. 2010 Sep 15;116(18):4238-47.

The Effect of Early Detection of Occult Brain Metastases in HER2-Positive Breast CancerPatients on Survival and Cause of Death, Niwinska A, Tacikowska M, Murawska M., Int J Radiat Oncol Biol Phys. 2009 Nov 23.

*Breast cancer brain metastases: differences in survival depending on biological subtype, RPA RTOG prognostic class and systemic treatment after whole-brain radiotherapy (WBRT).*Niwinska A, Murawska M, Pogoda K., Ann Oncol. 2009 Oct 19.

*Androgen, progesterone, and FSH receptor polymorphisms in ovarian cancer risk and outcome,*Ludwig A.H., Murawska M., Panek G., Timorek A., Kupryjańczyk J, Endocr. Rel. Cancer, 2009 Vol 16(3), 1005-1016.

PIK3CA amplification associates with resistance to chemotherapy in ovarian cancer patients, Kolasa I. K., Rembiszewska A., Felisiak A., Ziolkowska-Seta I., Murawska M., Moes J., Timorek A., Dansonka-Mieszkowska A., Kurpyjańczyk J., Cancer Biol. Ther.,2009 Jan 17

Brain metastases in breast cancer patients: Differences in survival depending on biological subtype and RPA RTOG prognostic class, Niwińska A., Murawska M., J. Clin. Onc. 2008 Vol 26, No 15S.

Effect of early detection of occult brain metastases in HER2-positive breast cancer patientson survival, Niwińska A., Tacikowska M., Lemańska I., Pieńskowski T. , Murawska M., J. Clin. Onc. 2008 Vol 25, No 18S.

Breast cancer leptomeningeal metastasis-the role of multimodality treatment, Rudnicka H, A.Niwińska, Murawska M., Journal of Neuoroncology (2007), 84 (1), 57-62.

REFERENCES: Dimitirs Rizopoulos, Emmanuel Lesaffre