

## Education

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- 05/2007** PhD, Georgetown University (Washington DC), Department of Chemistry with a thesis:  
"Quantitative Multidimensional Spinning Disc Confocal Microscopy of live, intraerythrocytic *P. falciparum*"
- 07/2005** M.Sci - Georgetown University, Department of Chemistry
- 05/2000** B.Sci, University of Belgrade (Serbia), Department of Chemistry, Listed as No.5 out of 341 students  
Honors thesis "Isolation and Identification of compounds found in *Lilium cattaniae*"

## Academic experience

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- 03/2015-** Assistant Professor, Bioengineering Department, Temple University  
Cancer Biology Program, Member, Fox Chase Cancer Center
- 07/2012- 03/2015** Instructor, Department of Systems & Computational Biology; Founding Chair: Prof. Aviv Bergman
- 07/2007-07/2012** Post-doctoral fellow, Albert Einstein Coll of Medicine, Program in Microenvironment and Metastasis  
and Gruss-Lipper Biophotonic Center; Advisor: Prof. John Condeelis, PhD
- 08/2002-07/2007** PhD student, Georgetown University, Department of Chemistry, advisor: Prof. Paul D. Roepe, PhD
- 05/2000-12/2002** Research Talent, Military Medical Academy, Laboratory of Toxicology Research, Serbia
- 03/2001-08/2002** Research Talent, University of Belgrade, Department of Environmental Engineering
- 08/1998-05/2000** Undergraduate research assistant, University of Belgrade, Department of Chemistry
- 02/1999-10/1999** Research Assistant, Federal Bureau for Measurements, Laboratory for Ionizing Radiation

## Honors and Awards

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- 2015, '16, '17, '18** Temple University Faculty Merit Award for Exceptional Research and Service
- 2014** Concern Foundation, Young Investigator Award
- 2014** ATIP Avenir, European Young Group Leader interview- denied for Temple Bioengineering position
- 2013** K22 Career Transition Award- denied to accept K99/R00 Award
- 2013** K99/R00 Career Transition Award
- 2010** Charles Revson Postdoctoral Award for Biomedical Research
- 2010** Dennis Shields Award Postdoctoral Research Prize (three recipients annually, 5K for personal use)
- 2010** Kedrin\*, Gligorijevic\* et al Nature Methods listed in *Nature Milestones: Light Microscopy* collection
- 2009** ASCB, abstract chosen as 1 in 12 out of 1,229 abstracts as "New and Newsworthy"
- 2008** 5<sup>th</sup> Annual Belfer Travel Award for Outstanding Postdoctoral Research (top 3%)
- 2007** Research Travel Grant, Georgetown University Graduate School of Arts and Sciences (GUGSAS)
- 2003-2007** Research Fellowship, GUGSAS
- 2002-2003** Teaching Fellowship, Georgetown University
- 2002** Exceptional Graduate Student (top 2%), Espenscheid Fellowship, Georgetown University

- 2000-2002 Research Fellowship, University of Belgrade  
 2000-2002 Research Talent Fellowship, Military Medical Academy (Belgrade, Serbia)

## Professional activities

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- 2019 Scientific Co-Chair, Subgroup “Cell Dynamics and Cell-ECM Interactions in 3D”, ASCB-EMBO, Washington DC  
 2019 Faculty, Woods Hole “Optical Microscopy & Imaging in the Biomedical Sciences” Course  
 2019 Program Chair and Co-organizer, Philly Motility 2019 Symposium  
 2019 Ad Hoc Reviewer, NIH, National Cancer Institute, Tumor Progression and metastasis study section  
 2019 Reviewer, Department of Defense, Breast Cancer Research Program Grants, Pathobiology 4  
 2019 Expert Grant Reviewer, Breast Cancer Now foundation, United Kingdom  
 2018 US Embassy Invited Speaker, Belgrade, Serbia- Science & Art of Microscopy Program  
 2018 Reviewer, Department of Defense, Breast Cancer Research Program Grants, Pathobiology 2  
 2018 Early Career Reviewer, NIH, National Cancer Institute, Tumor Progression and metastasis study section  
 2017- Reviewer, Pennsylvania Breast Cancer Coalition Grants  
 2017 Expert Grant Reviewer, National Science Foundation of Poland  
 2016- Visiting Faculty, Singh Center for Nanotechnology, University of Pennsylvania  
 2016 Guest Editor, Invadosomes, European Journal of Cell Biology  
 2016- Ad hoc reviewer, Study section on Cancer Structure and Metastasis, American Cancer Society  
 2015 Reviewer, National Science Foundation, Systems and Molecular Biology, GRF program  
 2015- Expert Grant Reviewer, Swiss National Science Foundation  
 2015 Organizing Vice Chair, Integrative Mechano-Chemical Signaling in Invasion, Nice, France  
 2013-15 Reviewer, AACR INNOVATOR Award in Tumor Microenvironment, Landon Foundation  
 2009 Reviewer, National Science Foundation, ARI-R<sup>2</sup>, Chemistry Study Section  
 2009 Tumor Microenvironment Network, Junior Investigator Meeting Committee  
 2010 Judge, New York City Science and Engineering Fair  
 2008-2009 Member, Cell Adhesion and Migration Journal Club Board

**Ad hoc journal peer-reviews:** Nature Nanotechnology, Nature Protocols, Nature Scientific Reports, Cancer Research, Cancer Reports, Biophysical Journal, Journal of Cell Biology, Plos One, Plos Biology, Cell Adhesion and Migration, European Journal of Cell Biology, Experimental Cell Research, Methods, Molecules, Oncogene, Oncoreport, APL Bioengineering, Cells.

**Active memberships:** Invadosome Consortium (2013-), Biophysical Society (2007-), American Society of Cell Biology (2007-), Biomedical Engineering Society (2019-)

## Research interests

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I am investigating the mechanisms of tumor cell intravasation and metastasis. Our focus is on multilevel communication between cancer cells and other cell types (macrophages, endothelial cells) as well as extracellular matrix (ECM) in the tumor microenvironment. I am using established and developing new intravital microscopy technologies, integrated with classical cell biology, engineered environments and systems theory. We are currently working on understanding how microenvironment conditions in disseminating tumor niches (perivascular, perineural and lymphatic) regulate phenotypic switching from dormant or proliferating cells towards assembly of invadopodia, which are ECM-degrading structures in cancer cells. Moreover, we are investigating the involvement of invadopodia in cell cycle deregulation and consequent drug resistance. If successful, our research will result in 1. Ways of harnessing cancer cell plasticity for therapy via microenvironment targeting. In addition, 2. Observations from intravital imaging, followed by recapitulation and mechanistic studies in manipulatable platforms, will lead us to development of next-generation, predictive diagnostics of metastasis.

## Research Support

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### COMPLETED

- Charles H Revson Postdoctoral Fellowship in Biomedical Sciences Program, 1/7/10-1/7/12-Tumor Cell Fate Mapping for Study of Microenvironment Role in Intravasation (\$177,629)  
PI Bojana Gligorijevic.
- Concept Award, Breast Cancer Research Program (BCRP) DOD, 1/9/08-31/8/09- BC075554, NANIVID: NANO IntraVital Imaging Device (\$175,000)  
PI Bojana Gligorijevic.
- Concern Foundation Conquer Cancer Now, 07/01/2016-06/30-2018, Real-Time Intravital Imaging Of Cell Cycle and Motility in Cancer Cells. (\$120,000),  
PI Bojana Gligorijevic.

### ONGOING

- K99/R00 NCI Physical Sciences in Oncology Program, 9/15/2013-9/1/2019. System microscopy analysis of tumor cell motility in microenvironment context (\$1, 028,000),  
PI Bojana Gligorijevic.
- R01 NCI 4/15/2019-4/14/2024. Targeting invadopodia mechanisms in cancer cell invasion and metastasis \$2, 015,337,  
PI Bojana Gligorijevic. Scored at 4%.

### PENDING

- American Cancer Society Research Scholar Grant, scored as Excellent March 2019, invited to revise and resubmit, 1/15/2020-9/1/2024. Mechanisms of invadopodia-driven motility and metastasis. (\$790,800),  
PI Bojana Gligorijevic.

## Invited talks and colloquia

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- 10/2019** Colloquium, Washington State University, Spokane, WA: "Real-time imaging of invasive cancer cells"
- 05/2019** Philly Motility Symposium, Drexel University, Philadelphia, PA: "Real-time imaging of invasive cancer cells"
- 03/2019** NAMS Symposium, University of the Sciences, Philadelphia, PA: "Real-time microscopy of coordination between cell cycle and invasion in cancer"
- 11/2018** Inaugural North Atlantic Microscopy Society Meeting, Princeton University: "Intravital Imaging of Cancer Motility in Tumor Microenvironment Context"
- 10/2018** Mount Sinai School of Medicine, New York, NY: "Intravital Imaging of Cancer Motility in Tumor Microenvironment Context"
- 10/2017** Fox Chase Cancer Biology Retreat, Philadelphia PA: "Intravital Imaging of Cancer Motility in Tumor Microenvironment Context"
- 09/2017** Colloquim, Fels Cancer Center, Philadelphia PA: "Real-Time Imaging of Cancer Cell Cycle and Invasion in Microenvironment Context"
- 05/2017** Fox Chase and Temple Medical Campus Retreat, Philadelphia PA: "Real-Time Imaging of Cancer Cell Cycle and Invasion in Microenvironment Context"
- 12/2016** Colloquim, CHOP Pathology, Philadelphia PA: "Motile Cancer Cell Plasticity and Extracellular Matrix"
- 11/2016** Colloquim, Temple Biology, Philadelphia PA: "Motile Cancer Cell Plasticity and Extracellular Matrix"
- 10/2016** Colloquim, Temple Mathematics, Philadelphia PA: "Intravital imaging of Microenvironment"
- 10/2016** Colloquim, Temple IGEM, Philadelphia PA: "Intravital imaging of Microenvironment"
- 10/2016** Singh Nanotechnology Center Annual Conference, Philadelphia PA: "Intravital Imaging of Cancer Cell Invasion"
- 10/2016** Colloquim, UPenn Physics of Cancer Center, Philadelphia PA: "Motile Cancer Cell Plasticity and Extracellular Matrix"
- 04/2016** Colloquim, Drexel Biology, Philadelphia PA: "Motile Cancer Cell Plasticity and Extracellular Matrix"
- 09/2015** Colloquium, Fox Chase Cancer Center: "Invadopodia, Perivascular Niche and Metastasis"
- 01/2015** Speaker, Gordon Conference on Directed Migration, Galveston Texas: "Intravital imaging of Microenvironment"

- 12/2014** Speaker, 54<sup>th</sup> ASCB meeting, Philadelphia, PA: "Tumor cell motility in Microenvironment Context"
- 04/2014** Invited Speaker, 105<sup>th</sup> Meeting, AACR, Intravital Imaging of Live Tumors at Single Cell Resolution in Real Time
- 02/2014** Invited Seminars, France: IECB, Institut Européen de Chimie et Biologie (University of Bordeaux), host- Elisabeth Genot; Institute of Pharmacology and Structural Biology (Toulouse), host- Isabelle Maridoneau-Parini.
- 01/2014** Invited Speaker, Mathematical Biosciences Institute, Columbus, Ohio, Emphasis Program in Frontiers in Imaging, Mathematics and the Life Sciences, Workshop 1: "Visualizing and Modeling Cellular and Sub-Cellular Phenomena" [Link to video](#)
- 10/2013** Invited Speaker, Biannual Meeting of Invadosome Consortium, Amsterdam, Netherlands: "From Intravital Microscopy to Systems Behavior"
- 06/2013** Invited Speaker, Annual Meeting, Japan Society for Cell Biology, Nagoya, Japan: "Invadopodia in vivo: From Intravital Microscopy to Systems Behavior"
- 10/2011** Invited Lecture, Science for Artists Workshop, New York: "Principles of optical microscopy and imaging of cancer"
- 08/2011** Speaker, Meeting of DOD BCRP, Florida: "N-WASP-mediated invadopodium formation is necessary for intravasation and lung metastasis of mammary tumors" and "A new chemotaxis device for cell migration studies"
- 05/2011** Invited Speaker, Annual SID Meeting, Phoenix, Arizona: "Tumor cell motility in intravasation microenvironments"
- 10/2010** Speaker, Frontiers in Tumor Progression, Nature Publishing and CNIO Cancer Institute, Madrid, Spain: "An intravital imaging study: tumor cell motility in invasion and intravasation microenvironments"

## Service activities

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- 2019** Co-Chair for Women's Engineering Exploration (WE2) Summer Camp, BioEngineering section
- 2018-current** College of Engineering, Resource Planning Committee
- 2016-current** biweekly BioE Academic Research Seminars organization, scheduling, promotion, announcements, hosting
- 2016, 2018** Faculty Search Committee Advisor for Cancer Biology Program, Fox Chase Cancer Center
- 2016** Faculty Search Committee of BioEngineering, Temple;
- 2015-current** Microscopy coordinator, BioEngineering, Temple University
- 2016-current** BioE Social Media coordinator
- 2016-current** BioE Alumni coordinator
- 2016-current** BioE Strategic Development Committee
- 04/2016** Judge, BioEngineering Graduate Research Competition
- 04/2016** Panelist, Society of Women Engineers discussions

## Teaching and Mentoring

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### Teaching and Curriculum Development

- **Spring 2019-** co-developer and sole instructor for Section 1 Gen-Ed course **Bionic Human**
- **Spring 2016/Spring 2018** Sole course developer and coordinator, course in **Biophotonics**. This course is given to (under)graduate students and it includes discipline fundamentals, lab portion and expert guest lectures. Due to the lack of textbooks, combined literature in Physics, Chemistry, Biology, Bioengineering, Microscopy and Medical Imaging was used for instruction.
- **Fall 2016, 2018-** co-developer & instructor for Section 1 Gen-Ed course **Ethical Issues in Science, Engineering and Technology**
- **Spring 2017/Fall 2017-** developer/ sole instructor for undergraduate course **Engineering Principles of Systems Physiology**
- **Spring 2016/Fall 2016/Spring 2017/Fall 2017-** developer and instructor for team-taught undergraduate level course **Frontiers of Bioengineering**
- **Spring 2016**, instructor and developer for guest lectures in cross-listed **Infrared Spectroscopy**
- **Spring 2016/Fall 2016/Spring 2017/Fall 2017-** developer and instructor for team-taught cross-listed course **Introduction to BioEngineering**
- **2010-2015** Albert Einstein College of Medicine, Instructor and developer for team-taught graduate course: Quantitative Microscopy of Living Cells

## Mentoring

**2015-2019** Primary Thesis Advisor, PhD student Kamyar Esmaeili (defended 05/21/2019)

**2015-** Primary Thesis Advisor, PhD student Lousiane Perrin

**2017-2018** Graduate thesis committee, PhD student, Golnaz Anvari

**2015-2018** Graduate thesis committee, PhD student Jerry Pawlish

**2017-2018** Graduate thesis committee, Master student, Cyrus Rashvand

**2015- current** Lab has hosted so far 6 BioEngineering Merit/MARC Scholars for 1-3 semesters each: Erik Mikitka, Lei Ke, Seul Jung, Theodore Tucker, Michael Partington, Audrey Pierce, Julia Schroth, and Emily Kight;

**2017**, Fall- Temple Biochemistry student for independent research credits (Brittany Faux)

**2016**, Summer- Temple Biology Merit Scholar (Tiffany Ngyuen))

**2016**, Summer- Temple Mechanical Engineering student (Thomas Gillin)

**2018**, Summer- External fellowship students: Zac Cohen, from St. John's College, Annapolis, MD

**2015**, Summer- International fellowship students: Felix Tonisen, from Radboud University, Nijmegen, Netherlands

**2018-2019** Senior Design Team "Cost effective environmental microscope chamber"

**2017-2018** Senior Design Team "Organ on a Chip"

**2016-2017** Senior Design Team "Ovarian Cancer HE4 Biomarker Urine Test", finalists in the SD Day

## Peer Reviewed Publications H-index 16. Total impact factor: 114.4. Total publications: 40. Total citations 1590.

- Bayarmagnai, L. Perrin, B. K. Esmaeili, B. Gligorijevic "Invadopodia degrade ECM in G1 phase of cell cycle" *bioRxiv* doi.org/10.1101/412916
- L. Perrin, B. Bayarmagnai, B. Gligorijevic "Frontiers in intravital imaging of tumors" *Cancer Reports* in press
- K. Esmaeili, E. Cardenas de la Hoz, A. Cohen, B. Gligorijevic "Contact guidance is cell cycle dependent", *APL Bioengineering* (2018) 2, 031904 <https://doi.org/10.1063/1.5026419> PMID: PMC5997297.
- K. Esmaeili, A. Bergman, B. Gligorijevic "Extracellular matrix cross-linking regulates invadopodia dynamics." *Biophysical Journal* (2018) 114 (6), 1455-1466. PMID: PMC5883616.
- J. Soboloff, B. Gligorijevic, MR. Zaidi "STIM1 (c) AMPs melanogenesis" *EMBO journal* (2018) 37(5) e99047. PMID: PMC5830918.
- B. Bayarmagnai, L. Perrin., K. Esmaeili, B. Gligorijevic: "Intravital imaging of cell migration", *Methods in molecular biology* (2018) 1749: 175-193. PMID: PMC5996994.
- KE. Pourfarhangi, B. Gligorijevic, "Machine Learning Classification of Cancer Cells Migration in 3D Multi-cue Microenvironments", *IEEE Signal Processing in Medicine and Biology* (2018) 1-3.
- A Bergman, B. Gligorijevic. "Real-Time Imaging of Invadopodia in Tumor Microenvironment Context", *OSA Biophotonics Microscopy Histopathology and Analytics*, (2018), MF3A. 3.
- KE Pourfarhangí, B Bayarmagnai, EC de la Hoz, A Cohen, B. Gligorijevic, "A methodology to investigate the relationship between cancer cells cell-cycle phase and their migratory behaviors", *OSA Biophotonics, Optics and the Brain* (2018), JTU3A. 13
- K. Esmaeili, B. Gligorijevic "Dissecting cell-cycle phase dependency of cancer cells invasiveness and migration speed", *SPIE Microfluidics, BioMEMS, and Medical Microsystems XVI Proceedings* (2018), 10491-44.
- F. Tonisen, L. Perrin., B. Bayarmagnai, K van der Dries, A. Cambi, B. Gligorijevic, "EP4 receptor role in invasion of breast carcinoma" *European Journal of Cell Biology* (2017) 96(2): 218-226. PMID: PMC5362301
- T. Gillin, B. Gligorijevic, K. Darvish "Characterization of transmural morphological properties in porcine thoracic descending aorta using multiphoton microscopy and image processing", *SBBB Conference* (2017)
- K. Esmaeili, B. Gligorijevic "Integrating live-cell fluorescent microscopy and signal processing to discover the relationship of invadopodia digging cycles with extracellular matrix crosslinking ratio, *IEEE SPMB Proceedings* (2016)
- A. Bergman, B. Gligorijevic, "Niche construction game cancer cells play", *EPJP Issue on Physics of Cancer* (2015), 130:203



- B. Gligorijevic, A. Bergman, J. Condeelis, "Multiparametric classification links tumor microenvironments to cell motility phenotypes", *Plos Biology* (2014) DOI: 10.1371/journal.pbio.1001995

Recommended by Faculty 1000 and Nature Cancer Reviews <http://www.nature.com/nrc/journal/v15/n1/full/nrc3890.html>

- E. Genot, B. Gligorijevic: "Invadosomes in their natural habitat", *European Journal of Cell Biology* (2014), 93:367-379.
- A. Bergman, J. Condeelis, B. Gligorijevic: "Invadopodia in context", *Cell Adhesion and Migration* (2014), 8:1-7
- B. Gligorijevic\*, J. Wyckoff\*, H. Yamaguchi, Y. Wang, J. Condeelis: "N-WASP-mediated invadopodium formation is involved in intravasation and lung metastasis of mammary tumors", *Journal of Cell Science* (2012), 125: 724-734
- D. Entenberg, J. Wyckoff, B. Gligorijevic, E. T. Roussos, V.V.Verkhusha, J.Pollard, J. Condeelis "Setup and use of a two-laser multiphoton microscope for multichannel intravital fluorescence imaging", *Nature Protocols* (2011), 6:1500–1520
- T. Dovas, B. Gligorijevic, D. Entenberg, J. Condeelis, D.Cox, "Direct visualization of actin incorporation into podosomes and invadopodia structures", *PLoS ONE* (2011), 6(2): e16485
- E. T. Roussos, M. Balsamo, S. K. Alford, J. B. Wyckoff, B. Gligorijevic, Y. Wang, M. Pozzuto, R.Stobezki, S. Goswami, D. A. Lauffenburger, A.R. Bresnick, F. B. Gertler and J. S. Condeelis, "Mena invasive promotes multicellular streaming motility and transendothelial migration in a mouse model of breast cancer", *Journal of Cell Science* (2011), 124:2120-2132
- J. Hult, D. Kedrin, B. Gligorijevic, D. Entenberg, J. Wyckoff, J. Condeelis, and J.E. Segall, "The Use Of Fluorescent Proteins For Intravital Imaging Of Tumor Cell Invasion", In *In Vivo Cellular Imaging Using Fluorescent Proteins*, Methods in Molecular Biology, Vol. 872 Editor: R. M. Hoffman, Springer Science, NY (2012), Chapter 2
- M. R. Padgen, W. K. Raja, J.K.Williams, B. Gligorijevic, J. Castracane, J. Condeelis Complementary approaches to investigating cancer cell dynamics in the tumor microenvironment *Proceedings of SPIE* (2011), 7929, 792905
- W. K. Raja\*, B. Gligorijevic\*, J. Wyckoff, J. Condeelis, J.Castracane, "A new chemotaxis device for cell migration studies", *Integrative Biology* (2010) 2:696-706
- W. K. Raja, B. Gligorijevic, M. R. Padgen, D. Eggers, J. Condeelis, J. Castracane, "Device for in vivo study of in vivo microenvironment", *Proceedings of SPIE* (2010), 7593, 75930H
- J. Wyckoff, B. Gligorijevic, D. Entenberg, J. E. Segall, J. Condeelis "High-Resolution Multiphoton Imaging of Tumors in Vivo", *Live Cell Imaging: A Laboratory Manual*, Eds.: D.L. Spector and R.D. Goldman. CSHL Press, NY (2010), Ch. 24:441-461
- B. Gligorijevic, D. Entenberg, D. Kedrin, J. Condeelis, J. E. Segall, J. van Rheenen, "Intravital imaging and photomanipulation of tumor intravasation microenvironment", *Microscopy Today* (2010), 18:34-35
- J. Wyckoff, B. Gligorijevic, D. Entenberg, J. E. Segall, J. Condeelis "High-Resolution Multiphoton Imaging of Tumors in Vivo", *Live Cell Imaging: A Laboratory Manual*, Eds.: D.L. Spector and R.D. Goldman. CSHL Press, NY (2010), Ch. 24:441-461
- B. Gligorijevic, J. Condeelis, "Stretching the timescale of intravital imaging in tumors", *Cell Adh & Mig* (2009), 3:4, 313-315
- B. Gligorijevic, D. Entenberg, D. Kedrin, J. Condeelis, J. E. Segall, J. van Rheenen, " Intravital imaging and photomanipulation of tumor intravasation microenvironment", *Microscopy and Microanalysis* (2009), Supplement 2, 15:86-87
- B. Gligorijevic, D. Kedrin, J. Condeelis, J. E. Segall, J. van Rheenen, "Dendra2 photoswitching through the Mammary Imaging Window" *J. Vis. Exp* (2009), 28, pii: 1278, doi: 10.3791/1278
- W. K. Raja, B. Gligorijevic, J. Condeelis, J.Castracane, "A new diagnostic for cancer dynamics: status and initial tests for NANIVID", *Proceedings of SPIE* (2009), 7207, 72070E
- D. Kedrin\*, B. Gligorijevic\*, J. Wyckoff, V.V.Verkhusha, J. Condeelis, J. E. Segall, J. van Rheenen, "Intravital imaging of metastatic cell behavior through an orthotopic Mammary Imaging Window" *Nature Methods* (2008), 5:1019-1021
- W. K. Raja, N. C. Cady, J. Castracane, B. Gligorijevic, J. van Rheenen, J. Condeelis," NANIVID: a new device for cancer cell migration studies" *Proceedings of SPIE* (2008), 6859, 68591M
- B. Gligorijevic, K. Purdy, D. A. Elliott, R. A. Cooper and P. D. Roepe "Stage independent chloroquine resistance and chloroquine toxicity revealed via Spinning Disc Confocal Microscopy" *Molecular Biochemical Parasitology* (2008), 159(1):7-23
- B. Gligorijevic, R. McAllister, J. Urbach and P. D. Roepe, "Spinning Disc Confocal Microscopy of malaria 1.Quantification of Hemozoin Development for Drug Sensitive versus Resistant Malaria", *Biochemistry* (2006), 45(42):12400 - 12410
- B. Gligorijevic, T. N. Bennett, R. McAllister, J. S. Urbach and P. D. Roepe, "2. Altered Vacuolar Volume Regulation in Drug Resistant Malaria", *Biochemistry* (2006), 45(42):12411 - 12423. (Chosen "Hot Article of Biochemistry journal", November 2006)
- T. N. Bennett, M. Paguio, B. Gligorijevic, C. Sidieu, A. D. Kosar, E. Davidson, P. D. Roepe "Novel, Rapid and Inexpensive Cell-Based Quantitation of Antimalarial Drug Efficacy" *Antimicrobial Agents and Chemotherapy* (2004), 48(5):1807-1810.