



**EDUCATION & TRAINING**

**University of Washington, Seattle, WA**

- 1997-2001 B.S. with distinction in Microbiology, Minor in Chemistry
- 1997-2001 B.S. with distinction in Biochemistry, Minor in Medical History & Ethics
- 1997-2001 B.A. with distinction in Philosophy

**Johns Hopkins University, Baltimore, MD**

- 2002-2009 Ph.D. in Molecular Microbiology & Immunology  
Thesis: *Molecular Determinants of Toxoplasma Invasion and Egress*
- 2003-2006 Masters of Health Sciences in Bioinformatics  
Capstone: *Mathematical Modeling of Toxoplasma Invasion*

**Princeton University, Princeton, NJ**

- 2009-2012 *Post-doctoral Fellow*, Llinás Lab, Lewis-Sigler Institute for Integrative Genomics,  
Project: *Regulation of Sexual Differentiation in Malaria Parasites*

**Additional Training & Certifications**

- 2014 Learning Bioconductor for Sequence Analysis Course, Seattle, WA
- 2004 Certificate in Vaccine Science & Policy, Johns Hopkins School of Public Health
- 2004 Biology of Parasitism Course, Marine Biological Laboratory, Woods Hole, MA
- 2002 Field Course in Disease Ecology and Behavior, Sevilleta NWR, NM

**POSITIONS**

- 2015-Present *Assistant Professor*,  
Department of Microbiology and Immunology,  
Weill Cornell Medicine, New York, NY
- 2013-2015 *Staff Scientist*,  
Division of Basic Sciences,  
Fred Hutchinson Cancer Research Center, Seattle, WA

**HONORS & AWARDS**

- 2021 Weill Cornell Graduate School Faculty Diversity Award
- 2010-2012 Damon Runyon Cancer Research Foundation Postdoctoral Fellowship
- 2012 PLoS Pathogens Talk Award, Molecular Parasitology Meeting
- 2011 Outstanding Poster Prize, BioMalPar Meeting
- 2008 ASTMH Molecular, Cellular, and Immunoparasitology Scientific Award
- 2008 Outstanding Oral Presentation, Molecular Parasitology Meeting
- 2005-2007 American Heart Association Predoctoral Fellowship
- 2005 Fredrick B. Bang Award for Student Research in Pathobiology
- 2004 Biology of Parasitism, Marine Biological Laboratory Scholarship
- 2004 Francis A. Coventry Fellowship in Molecular Microbiology and Immunology
- 2003 Otis & Calista Causey Fellowship in Immunology
- 2000 University of Washington Mary Gates Scholar
- 1998 University of Washington Mary Gates Scholar

# SERVICE & MEMBERSHIPS

## Editorial and Review Activities

### Editorial Roles

- 2022 PLOS Pathogens, *Academic Editor* (ad hoc)
- 2021- ASM Microbiology Spectrum, *Editor* (Editorial board member)
- 2019- PLOS Pathogens, *Reviews Editor* (Editorial board member)
- 2019,20 PLOS Pathogens, *Academic Editor* (ad hoc)
- 2019-21 Frontiers in Cellular & Infection Microbiology, *Associate Editor*
- 2018-19 Frontiers in Cellular & Infection Microbiology, *Review Editor*

### Grant Review

- 2022 UK Medical Research Council
- 2021 Swiss National Science Foundation, Wellcome Trust
- 2020 Swiss National Science Foundation, Israel Science Foundation
- 2019 France L'Agence Nationale de la Recherche, UK Biotechnology & Biological Sciences Research Council
- 2018 Netherlands Organization for Scientific Research

### Manuscript Review

- 2022 Nature, mSphere
- 2021 PNAS, PLOS Pathogens, Trends in Parasitology,
- 2020 BioEssays, PLOS Pathogens, Nature Communications Biology, Molecular Microbiology, mSphere, Frontiers in Cellular & Infection Microbiology
- 2019 Nature, Nature Microbiology, PNAS, Scientific Reports, Frontiers in Cellular & Infection Microbiology
- 2018 Nature Communications, WellcomeOpenResearch, PLoS ONE, mSphere
- 2017 Cell, Cell Host & Microbe, Trends in Parasitology, mSphere
- 2016 J. Exp. Medicine, PLoS ONE, mSphere, Genome Research
- 2015 Infection Genetics and Evolution, Malaria Journal

## Teaching

- 2018 - *Lecturer*, Fundamentals of Immunology & Microbiology, Weill Cornell Medicine
- 2017 *Course Co-Director*, Parasitology Focus Group, Weill Cornell Medicine
- 2017 *Lecturer*, Single Cell Biology for Parasitologists, ASTMH Meeting, Baltimore
- 2017 *Lecturer*, Single Cell Analysis Course, University of Michigan, Ann Arbor
- 2016- *Instructor*, Parasitology Plate Rounds, Weill Cornell Medicine
- 2016 *Instructor*, Microbiology Lab Instructor, Weill Cornell Medicine
- 2015 - *Graduate Advisor*, Weill Cornell BCMB Graduate Program

## Other Service

- 2020-22 *Founding Co-chair*, WCM Social Justice and Anti-Racism Taskforce
- 2021 Outside Promotions Evaluator, Texas Biomedical Research Institute
- 2021 Outside Thesis Examiner, University of Oxford, UK
- 2019 *Session Chair*, BioMalPar XV Meeting, EMBL, Heidelberg, Germany
- 2018 *Co-Organizer*, Young Investigators in Parasitology Meeting
- 2017- *Member*, Weill Cornell BCBM Admissions Committee
- 2016 *Lead Organizer/Founder*, Young Investigators in Parasitology Meeting
- 2016 *Session Chair*, Molecular Parasitology Meeting XXVI, Woods Hole, MA

## Professional Memberships

- Member, American Society for Microbiology
- Member, American Society for Biochemistry and Molecular Biology

## PUBLICATIONS

© authors contributed equally, # pre-print or pending peer review

# Nötzel C, **Kafsack BFC**. *PfD123 modulates K13-mediated survival and recovery after artemisinin exposure*. [BioRxiv](#). 2022 Jan 28.

# Harris CT, Tong X, Campelo R, Vanheer LN, Marreiros IM, Nahiyann N, Zuarte-Luis VA, Deitsch KW, Mota MM, Rhee KY, **Kafsack BFC**. *Metabolic competition between phospho-choline synthesis and histone methylation regulates sexual commitment in Plasmodium falciparum*. [BioRxiv](#). 2022 Jan 18.

Campelo R, Tong X, Xie W, Able S, Orchard LM, Daher W, Patel DJ, Llinás M, Le Roch KG, **Kafsack BFC**. *The essential transcriptional regulator HDP1 controls expansion of the inner membrane complex during early sexual differentiation of malaria parasites*. [Nature Microbiology](#). 2022. <https://doi.org/10.1038/s41564-021-01045-0>

Nötzel C, **Kafsack BFC**. There and back again: malaria parasite single-cell transcriptomics comes full circle. [Trends in Parasitology](#) 2021 Aug 11; S1471-4922(21)00176-8

Vanheer N, **Kafsack BFC**. *Activity comparison of epigenetic modulators against the hemoprotozoan parasites Babesia divergens and Plasmodium falciparum*, [ACS Infectious Disease](#), 2021 Feb 18, PMID: 33599488

Reed J, Kirkman LA, **Kafsack BFC**, Mason C, Deitsch KW. *Telomere length dynamics in response to DNA damage in malaria parasites*. [iScience](#), 2021 Feb 18, (24) 102082

Neveu G, Beri D, **Kafsack BFC**. *Metabolic regulation of sexual commitment in malaria parasites*. [Current Opinions in Microbiology](#) 2020 Dec, 58:93-98, PMID: 33053503

Vanheer LN, Zhao H, Gan, L, **Kafsack BFC**. *Activity of epigenetic inhibitors against Plasmodium falciparum asexual and sexual blood stages*. [Antimicrobial Agents & Chemotherapy](#). 2020 Jun 23;64(7):e02523-19, PMID: 32366713

Matthews KA, Senagbe KM, Nötzel C, Gonzalez CA, Tong X, Rijo-Ferreira F, Natarajan BV, Miguel-Blanco C, Lafuente-Monasterio MJ, Garcia BA, **Kafsack BF**, Martinez ED. *Disruption of the Plasmodium falciparum life cycle through transcriptional reprogramming by inhibitors of Jumonji demethylases*. [ACS Infectious Disease](#). 2020 Apr 9. PMID: 32272012

McLean KJ, Straimer J, Hopp CS, Vega-Rodriguez J, Tripathi A, Mlambo G, Doumolin PC, Harris CT, Tong X, Shears MJ, Ankarklev J, **Kafsack BFC**, Fidock DA, Sinnis P. *Generation of Transgenic Human Malaria Parasites with Strong Fluorescence in the Transmission Stages*. [Scientific Reports](#). 2019 Sep 11;9(1):13131. PMID: 31511546

Zhan W, Visone J, Ouellette T, Harris JC, Wang R, Zhang H, Singh PK, Ginn J, Sukenick GD, Wong TT, Okoro JI, Scales RM, Tumwebaze PT, Rosenthal PJ, **Kafsack BFC**, Cooper R, Meinke PT, Kirkman LA, Lin G. *Improvement of asparagine ethylenediamines as anti-malarial Plasmodium-selective proteasome inhibitors*. [Journal of Medicinal Chemistry](#). 2019 Jun 9. PMID: 31177777

Bancells C, Llorà-Batlle O, Poran P, Nötzel N, Rovira-Graells N, Elemento O, **Kafsack BFC**, Cortés A. *Revisiting the initial steps of sexual development in the malaria parasite Plasmodium falciparum*. [Nature Microbiology](#). 2019 Jan;4(1):144-154. PMID: 30478286

Kirkman L, Zhan W, Visone V, Dziejniech A, Fan H, Singh PK, Tong X, Bruzual I, Hara R, Kawasaki M, Sato K, Michino M, Aso K, Fernandez Alvaro E, Wang R, Ling Y, Guiang LF, Sanz L, Mota D, Kavitha G, Tumwebaze PK, Sukenick G, Shi L, Vendome J, Bhanot P, Rosenthal PJ, Cooper R, **Kafsack BFC**, Doggett JS, Nathan C, Lin G. *Antimalarial proteasome inhibitor reveals collateral sensitivity from intersubunit interactions and fitness cost of resistance*. [PNAS](#) 2018 Jul 17;115(29), PMID: 29967165

Nötzel C, Poran A, **Kafsack BFC**. *Single-cell transcriptome profiling of protozoan and metazoan parasites*. [Trends in Parasitology](#) 2018 May 25, PMID: 29807759

Poran A, Nötzel C, Aly O, Mencia-Trinchant N, Harris CT, Guzman ML, Hassane DC, Elemento O, **Kafsack BFC**. *Single-cell RNA-seq reveals a signature of sexual commitment in malaria parasites*. [Nature](#) 2017; 551(7678):95-99. PMID: 29094698

Coleman B, Skillman K, Jiang R, Childs L, Altenhofen L, Ganter M, Leung Y, Goldowitz I, **Kafsack B**, Marti M, Llinas M, Buckee C, Duraisingh M. *A Plasmodium falciparum histone deacetylase regulates antigenic variation and gametocyte conversion.* [Cell Host & Microbe](#) 2014; 16(2):177-86. PMID: 25121747

**Kafsack BFC**, Rovira-Graells N, Clark TG, Christina Bancells, Crowley VM, Campino SG, Williams AE, Drought LG, Kwiatkowski DP, Baker DA, Cortés A, Llinás M. *A transcriptional switch controls commitment to sexual development in malaria parasites.* [Nature](#) 2014;507(7491):248-52. PMID: 24572369

Sinha A, Hughes KR, Modrzynska KK, Otto TD, Pfander C, Dickens NK, Religa AA, Bushell E, Graham AL, Cameron R, **Kafsack BFC**, Williams A, Llinás M, Berriman M, Billker O, Waters AP. *A cascade of DNA binding proteins for sexual commitment and development in Plasmodium.* [Nature](#) 2014 507(7491) pp. 253-7. PMID: 24572359

Carter LM, **Kafsack BFC**, Llinás M, Mideo N, Pollitt LC, Reece SE. *Stress and sex in Malaria Parasites: Why does commitment vary?* [Evolution, Medicine, and Public Health](#). 2013 (1):135-47. PMID: 24481194

Painter HJ, Altenhofen LM, **Kafsack BF**, Llinás M. *Whole-Genome analysis of Plasmodium spp. utilizing a new Agilent Technologies DNA microarray platform.* [Methods in Molecular Biology](#) 2013; 923:213-9. PMID: 22990780

**Kafsack BFC**® Painter HJ®, Llinás M. *New Agilent platform DNA microarrays for transcriptome analysis of P. falciparum and P. berghei for the malaria research community.* [Malaria Journal](#) 2012 11:187. PMID: 22681930

**Kafsack BFC**, Llinás M. *Eating at the table of another: Metabolomics of host/parasite interactions.* [Cell Host & Microbe](#) 2010 Feb 7(2):90-99. PMID: 20159614

**Kafsack BFC**, Carruthers VB. *Apicomplexan MACPF proteins,* [Communicative & Integrative Biology](#). 2010 Jan/Feb: 3(1):68-73 PMID: 20539776

Lagal V, Binder EM, Huynh MH, **Kafsack BFC**, Harris PK, Diez R, Chen D, Cole RN, Carruthers VB, Kim K. *Toxoplasma gondii protease TgSUB1 is required for cell surface processing of micronemal adhesive complexes and efficient attachment of tachyzoites to host cells.* [Cellular Microbiology](#) 2010 (12):1792-180 PMID: 20678172

**Kafsack BFC**, Pena J, Coppens I, Ravindran S, Boothroyd JC, Carruthers VB. *Rapid membrane disruption by a perforin-like protein facilitates parasite exit from host cells.* [Science](#) 2009 Vol. 323, No. 5913, pp. 530-533. PMID: 20159614

**Kafsack BFC**, Carruthers VB, Pineda FJ. *Kinetic modeling of Toxoplasma invasion.* [Journal of Theoretical Biology](#) 2007 Dec, 249(4):817-25 PMID: 17942124

Zhou XW®, **Kafsack BFC**®, Cole RN, Beckett P, Shen RF, Carruthers VB. *The opportunistic pathogen Toxoplasma gondii deploys a diverse legion of invasion and survival proteins.* [Journal of Biological Chemistry](#) 2005 Oct 7;280(40):34233-44. PMID: 16002397

**Kafsack BFC**, Beckers CJM, Carruthers VB. *Synchronous invasion of host cells by Toxoplasma gondii.* [Molecular and Biochemical Parasitology](#) 2004 Aug; 136(2):309-311 PMID: 15478810

Harper JM, Zhou XW, Pszenny V, **Kafsack BFC**, Carruthers VB. *The Novel Coccidian Micronemal Protein MIC11 Undergoes Proteolytic Maturation by Sequential Cleavage to Remove an Internal Propeptide.* [International Journal of Parasitology](#) 2004 Aug; 34(9):1047-58 PMID: 15313131

Rasoloson D, Shi L, Chong CR, **Kafsack BF**, Sullivan DJ. *Copper pathways in Plasmodium falciparum infected erythrocytes indicate an efflux role for the copper P-ATPase.* [Biochemical Journal](#) 2004 Aug 1;381(Pt 3):803-11 PMID: 15125686

Seamons A, Sutton J, Bai D, Baird E, Bonn N, **Kafsack BFC**, Shabanowitz J, Hunt DF, Beeson C, Goverman J. *Competition between two MHC binding registers in a single peptide processed from myelin basic protein influences tolerance and susceptibility to autoimmunity.* [Journal of Experimental Medicine](#) 2003 May 19;197(10):1391-7. PMID: 12756272

# RESEARCH SUPPORT

## Active

R01 AI141965 (Role: PI)

Jun 2019 – May 2024

*Regulation of Sexual Differentiation in Malaria Parasites*

Annual Direct Costs: \$355,938

R01 AI138499 (Role: Co-Investigator, PI: Kirk Deitsch)

Apr 2018 – Mar 2023

*Mechanisms of environmental sensing and responses by malaria parasites*

Annual Direct Costs: \$440,031 Total, \$197,533 to Kafsack Lab

Weill Cornell Medicine Tri-I TDI Project Matching Funds (Role: Co-PI with Laura Kirkman)

Jul 2021-Jun 2023

*Advancing novel antimalarial compounds identified through a new phenotypic in vitro screen that models Plasmodium falciparum growth in humans.*

Annual direct costs: \$175,235 Total, \$82,775 to Kafsack Lab

Charles A. Frueauff Foundation Equipment Grant (Role: PI)

2021

*Support the replacement purchase of a 4-laser/13 color flow cytometer*

Annual Direct Costs: \$42,000

Startup Funds, Weill Cornell Medicine Research Support (Role: PI)

Aug 2015-Present

## Pending

NIH GMS S10 OD032386-01 (Role: PI)

2022

*Next generation analyzer for multi-parameter live-cell flow cytometry.*

Annual Direct Costs: \$184,859

NIH NIAID R21 AI166436-01A1 (Role: PI)

2022

*Identifying the Target of a Potent and Selective Inhibitor of Babesia Blood Stages.*

Annual Direct Costs: \$137,500

## Completed

DoD PRMRP Discovery Award PR171496 (DoD CDMRP) (Role: PI)

Oct 2018 - Dec 2020

*Probing Mechanisms of P. falciparum Artemisinin Resistance using Single Cell Transcriptomics*

Annual Direct Costs: \$133,000

Alice Bohmfalk Charitable Trust Research Grant (Role: PI)

Jul 2018 – Jun 2019

*Targeting epigenetic regulation of gene expression during malaria stage transitions*

Annual Direct Costs: \$61,250

## SCIENTIFIC PRESENTATIONS

- Talk #\***, *Richard Carter Memorial Symposium, University of Edinburgh, Sept 8-9, 2022*
- Seminar \***, *I2BC Université Paris-Saclay, Genome Biology Department, March 11, 2022*
- Seminar \***, *Federal Drug Administration, Division of Bacterial, Parasitic and Allergenic Products, Mar 8, 2022*
- Talk #**, *Cellular Biology of Eukaryotic Pathogens Conference, Clemson SC, Oct 22, 2021*
- Seminar**, *Johns Hopkins Malaria Research Institute, Baltimore, USA, May 21, 2021*
- Lecture <sup>x</sup>**, *Marine Biological Laboratory, Biology of Parasitism course, July 28, 2020*
- Keynote <sup>x</sup>**, *British Society for Parasitology Meeting, Edinburgh, UK, April 2020.*
- Talk**, *EMBO Symposium: Metabolism Meets Epigenetics, Heidelberg, Germany, Nov 20-23, 2019*
- Seminar**, *NIAID, Laboratory of Malaria & Vector Research, Aug 21, 2019*
- Seminar**, *Uniformed Services University of Health Sciences, Aug 20, 2019*
- Talk #**, *FASEB Microbial Pathogenesis Conference, Snowmass, CO July 21-25, 2019*
- Seminar**, *Heidelberg University Hospital, Center for Infection Biology, May 27, 2019*
- Seminar**, *Bernard Nocht Institute for Tropical Medicine, Hamburg, Germany, December 20, 2018*
- Seminar**, *University of Washington, Department of Biology, December 5, 2018*
- Seminar**, *University of Pennsylvania, Department of Pathobiology, April 23, 2018*
- Talk #**, *American Society of Tropical Medicine & Hygiene Meeting, Pre-meeting Course: Single Cell Biology for Parasitologists, Nov 5, 2017*
- Talk**, *The Future of Malaria Research Conference. Johns Hopkins University, Nov 3, 2017*
- Lecture**, *University of Michigan, Ann Arbor, Single Cell Analysis Course, Oct 31, 2017*
- Seminar**, *University of Virginia, Charlottesville, Division of Infect. Disease & Int. Health, Apr 20, 2017*
- Talk #**, *NIAID Workshop on Single Cell Technologies for Infectious Diseases, Apr 18-19 2017*
- Seminar**, *CUNY Hunter College, Dept. of Biology, Dec 12, 2016*
- Seminar**, *Johns Hopkins University, Malaria Research Institute, Jan 9, 2015*
- Seminar**, *Weill Cornell Medical College, Dept. of Microbiology & Immunology, Jan 6, 2015*
- Seminar**, *Center for Infectious Disease Research, Seattle, WA, Sept 29, 2014*
- Seminar**, *Fred Hutchinson Cancer Research Center, Div. of Basic Sciences, WA Oct 18, 2013*
- Seminar**, *Institut Pasteur, Dept. of Parasites and Insect Vectors, Dec 10, 2012*
- Talk**, *American Society of Tropical Medicine & Hygiene Meeting, Nov 11-15, 2012*
- Talk**, *Molecular Parasitology Meeting, Sept 22-26, 2012*
- Talk**, *Molecular Parasitology Meeting, Sept 12-16, 2010*
- Talk**, *American Society of Tropical Medicine & Hygiene Meeting, Dec 7-11, 2008*
- Talk**, *Molecular Parasitology Meeting, Sept 21-25, 2008*
- Seminar**, *University of Michigan, Ann Arbor, Dept. of Microbiology & Immunology, May 6, 2008*

# invited talk \* upcoming <sup>x</sup> Cancelled due to COVID-19 pandemic

# MENTORSHIP

## Mentorship Activities

- 2016 *Founder / Lead Organizer, Young Investigators in Parasitology Meeting*
- 2018 *Co-Organizer, Young Investigators in Parasitology Meeting*
- 2016- *Graduate Student Advisor, Weill Cornell BCBM Graduate Program*

## Current Trainees

### Graduate Students

Chantal Harris, 2016-present

### Post-doctoral Fellows

Riward Campelo-Morillo, PhD, 2015-present

Kit Kennedy, PhD, 2019-present

Gaelle Neveu, PhD, 2020-present

## Past Trainees

### Post-doctoral/ Research Fellows

Leen Vanheer, MD, 2018-2020, *currently Ph.D. student at London School of Hygiene & Tropical Medicine*

Divya Beri, PhD 2020-2021, *currently post-doc at New York Blood Center.*

### Graduate Students

Asaf Poran (co-mentored, 2015-2018), *currently Group Leader at BioNTech*

Christopher Nötzel (2016-2021), *currently post-doc with Boris Striepen at UPenn.*

### Undergraduate & Visiting Students

Idri Abdullah (2019 Summer Student) *currently Senior, U. of Maryland*

Xinran Tong (Technician 2015-2018), *currently Ph.D. student, Weill Cornell Medicine*

Gabrielle Paniccia (2018 Summer Student), *currently Ph.D. student, Rockefeller U.*

Nusrat Tabassum (2017-2018 Bronx Science student), *currently Pharmacy student, St. Johns U.*

Victor Vazquez Marrero (2017 Summer Student), *currently Ph.D. student, U. of Pennsylvania*

Scott Segura (2017 Summer Student), *currently Ph.D. student, U. of Texas, Medical Branch*

Randy Coupet (2016 Visiting Medical Student), *currently completing residency in France*

## Conference Presentations by Trainees

- 2021** **Oral Presentation** by Chantal Harris (Graduate Student)  
Molecular Parasitology Meeting, Woods Hole, MA, Oct 5-9
- Oral Presentation** by Christopher Nötzel (Graduate Student)  
Molecular Parasitology Meeting, Woods Hole, MA, Oct 5-9
- Oral Presentation** by Leen Vanheer (Research Fellow)  
2020 International Babesiosis Meeting, New Haven, CT, April 24-24
- 2018** **Oral Presentation** by Riward Campelo, (Post-doctoral Fellow)  
Molecular Parasitology Meeting, Woods Hole, MA, Sept 09-13
- 2017** **Oral Presentation** by Christopher Nötzel, (Graduate Student)  
American Society of Tropical Medicine & Hygiene Annual Meeting, Baltimore, MD, Nov 5-10
- Oral Presentation** by Riward Campelo, Ph.D. (Post-doctoral Fellow)  
NYC-Area Parasitology Symposium, New York, NY, Oct 27
- Oral Presentation** by Christopher Nötzel, (Graduate Student)  
Molecular Parasitology Meeting, Woods Hole, MA, Sept 10-14
- 2016** **Oral Presentation** by Christopher Nötzel, (Graduate Student)  
Molecular Parasitology Meeting, Woods Hole, MA, Sept 18-22, 2016
- Oral Presentation** by Christopher Nötzel, (Graduate Student)  
NYC-Area Parasitology Symposium, New York, NY Sept 4, 2016



## **Awards & Fellowships by Trainees**

- 2021 Best Talk at the Molecular Parasitology Meeting, Oct 5-9**  
Trainee: Chantal Harris, Graduate Student
- 2021 Best Talk (Runner Up) at the Molecular Parasitology Meeting, Oct 5-9**  
Trainee: Christopher Nötzel, Graduate Student
- 2020 Australian American Foundation Scholar**  
Trainee: Kit Kennedy, Postdoctoral Fellow
- Best Poster Award, Molecular Parasitology Meeting 2020**  
Trainee: Jiacheng Liu, Rotation Student
- Best Poster Award, Tri-Institutional Chemical Biology Symposium, 2020**  
Trainee: Jiacheng Liu, Rotation Student
- 2019 2<sup>nd</sup> Place, New York City Science & Engineering Fair, Category: Microbiology**  
Trainee: Nusrat Tabassum, 2017-18 Bronx High School of Science Summer Student
- 2018 F31 NRSA NIH Individual Predoctoral Fellowship**  
Trainee: Chantal Harris, Graduate Student
- Jacques Cohenca Predoctoral Fellowship**  
Trainee: Christopher Nötzel, Graduate Student
- Belgian American Educational Foundation Fellowship**  
Trainee: Leen Vanheer, Post-doctoral Fellow
- Poster Presentation Award at ABRCMS Meeting, Nov 14-17, 2018**  
Trainee: Gabrielle Paniccia, ACCESS Undergraduate Summer Student
- Julian R. Rachele Prize for Best Original Research Paper**  
Trainee: Christopher Nötzel, Graduate Student
- 2017 Best Talk at the Molecular Parasitology Meeting, Sept 10-14**  
Trainee: Christopher Nötzel, Graduate Student
- 2016 Best FlashTalk/Poster at the Molecular Parasitology Meeting, Sept 18-22**  
Trainee: Christopher Nötzel, Graduate Student