

# Dr. Anastasios D. Tsaousis – Curriculum Vitae

## CURRENT POSITION

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07/2018 – current     **Senior Lecturer in Molecular and Evolutionary Parasitology**  
School of Biosciences, University of Kent

### **Research:**

My current research is focused on the investigations of the adaptations of microbial eukaryotic organisms, and their course in parasitic evolution and diversity. To accomplish this, my laboratory is combining detailed bioinformatics analyses of newly generated genomic/transcriptomic/metabolomic results with field, cell biological and biochemical methods to investigate the parasitic and free-living microbial eukaryotes living in diverse and extreme environments.

## WORK EXPERIENCE

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07/2013 – 06/2018     **Lecturer in Molecular and Evolutionary Parasitology**  
School of Biosciences, University of Kent

02/2013 – 06/2013     **Research Postdoctoral fellow**  
Department of Soil Science, University of Saskatchewan, Canada  
Title of project: “**Investigating the adaptations of microbial eukaryotes under different environments**”

02/2012 – 01/2013     **Marie Curie International Outgoing Fellow**  
Laboratory of Molecular and Biochemical Parasitology, Department of Parasitology, Faculty of Science, Charles University, Prague, Czech Republic  
Title of project: “**Blastocystis MLO: Evolution and Function**”

01/2008 – 01/2012     **Research Postdoctoral fellow**  
Centre for Comparative Genomics and Evolutionary Bioinformatics  
Department of Biochemistry and Molecular Biology, Faculty of Medicine, Dalhousie University, Halifax, Canada  
Title of project: “**Function and evolution of mitochondrial-derived organelles and aspects of genome evolution in anaerobic eukaryotes**”

## OTHER DUTIES AND POSITIONS OF RESPONSIBILITY

09/2018 – current:     **Examinations Officer** of School of Biosciences, University of Kent

07/2016 – current:     **Co-ordinator of the ResistAnce Pathogenicity & Infectious Diseases (RAPID) group** at the School of Biosciences, University of Kent

03/2017 – 09/2018:     **Director of MSc by Research studies** at the School of Biosciences, University of Kent

10/2014 – 09/2018:     **Outreach officer** at the School of Biosciences, University of Kent  
Organised 5 large events including events during the 2016 and 2017 Canterbury Festival (29/10/2016 & 26/10/2017)

01/2014 – 08/2018:     **Biological & GM Officer** at the School of Biosciences, University of Kent

## **TEACHING**

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2014 – current	20 contact hours, creator and module convenor of “Advances in Parasitology” (BI855, Taught MSc programme in Infectious Diseases)
2014 – current:	5 contact hours’ lectures on “Pathogens & Pathogenicity” (BI606, Stage 3 module). Since 2018, module convenor.
2013 – current:	5 contact hours’ lectures on “Infection & Immunity” (BI505, Stage 2 module)
2013 – 2015:	2 contact hours’ lecture on “Epidemiology of parasites” (BI645, Stage 3 module)
2012	2 x 2 contact hours’ lecture on cell biology and biochemistry of parasites (Parasitology Erasmus module; Charles University in Prague, Czech Republic)

## **EDUCATION**

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10/2013 – 11/2015	<b>Post Graduate Certificate of Higher Education (PGCHE)</b> University of Kent
09/2004 – 11/2007	<b>PhD in Molecular Cell Evolution</b> School of Biology, Newcastle University Title of project: “ <b>Evolution and function of the microsporidian mitosome</b> ” Supervisors: Prof. T. Martin Embley and Dr. Robert P. Hirt
09/1999 – 07/2003	<b>Ptychio in Biology</b> (BSc degree) Department of Biology, University of Crete Average grade of 7.33 out of 10 (equivalent: Upper 2:1 class honours degree)

## **EXTERNAL FUNDING (SELECTED)**

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**Moore Foundation – Marine Microbiology Initiative** (2017 – 2019); Amount of Award: 340,843 USD

**Biochemical Society Travel Award** (2016): visit Mae Fah Luang University in Thailand: £1,590

**Gates Foundation Grand Challenges Explorations** (2016 –2018): Amount of Award: 100,000 USD.

**BBSRC NIBB** (2016 -2017): Amount of Award: 97,987 GBP

**Microbiology Society – Harry Smith vacation studentship** (2016): Amount of Award: 1,880 GBP

**Moore Foundation – Marine Microbiology Initiative** (2015 – 2016); Amount of Award: 147,287 USD

**BBSRC New investigator Grant** (2015 – 2018); Amount of Award: 530,747.76 GBP

**BBSRC Proof of Concept Funds – HVCfP network** (2015 – 2016); Amount of Award: 49,917 GBP  
- Collaborative project with Rothamsted Research Centre

**Royal Society International Exchange Scheme 2015/R1** (2015 – 2017); Amount of Award: 12,800 GBP – Collaborative project with Prof. Joel Dacks, University of Alberta

**Royal Society Research Grant** (2014 – 2015); Amount of Award: 14,700 GBP

**Biochemical Society – Outreach Grant** (2015 – 2016); Amount of Award: 1,000 GBP

**Biochemical Society - Eric Reid Methodology Fund** (2014 -2015); Amount of Award: 1,200 GBP

**Marie Curie International Outgoing fellowship** (2010 – 2013); Amount of Award: 193,476 EUR

**EMBO Postdoctoral Long-term Fellowship** (2009); Amount of Award: 39,000 CAD

## **PUBLICATIONS**

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1. Li F. J., **Tsaousis A. D.**, Purton T. J., Chow V. T. K., He C. Y., Tan K. S. W., Successful Genetic Transfection of the Colonic Protistan Parasite *Blastocystis* for Reliable Expression of Ectopic Genes. *Mbio*. *Under review*.
2. Jossé L. J., Bones A. J., Purton T. J., Michaelis M., and **Tsaousis A. D.\*** (2018) A Cell Culture Platform for the Cultivation of *Cryptosporidium*. *Current Protocols*. *Under review*.
3. Bones A. J., Jossé L. J., More C., Miller C. N., Michaelis M., and **Tsaousis A. D.\*** (2018) Past and future trends of *Cryptosporidium in vitro* research, *Experimental Parasitology* (Under 3<sup>rd</sup> round of reviews).
4. Miller C. N., Panagos, H., Kvac, M., Howard M. J. and **Tsaousis A. D.\*** (2018) Effects of *Cryptosporidium* infections on host cell metabolome and host mitochondrial associations. - doi: [10.1101/145979](https://doi.org/10.1101/145979)
5. **Tsaousis A.D.**, Hamblin K.A., Elliot C.R., Young L., Rosell-Hidalgo A., Gourlay C., Moore A.L., & van der Giezen M., (2018) The human gut colonizer *Blastocystis* respire using Complex II and alternative oxidase to buffer transient oxygen fluctuations in the gut. *Front Cell Infect Microbiol – Parasite and Host*. *In press* doi.org/10.3389/fcimb.2018.00371 (Impact factor: **3.520**)
6. Miller C. N., Josse L. J., and **Tsaousis A. D.\*** (2018) Localization of Fe-S biosynthesis machinery in *Cryptosporidium parvum* mitosome, *J Eukaryot Microbiol*. 2018 Jun 22. doi: 10.1111/jeu.12663. (Impact factor: **2.537**)
7. Yowang A., **Tsaousis A. D.**, Chumphonsuk T., Thongsin N., Kullawong N., Popluechai S., Gentekaki E. (2018) High diversity and variable geographic distribution of *Blastocystis* subtypes isolated from adults living in Thailand. *Infect Genet Evol*. 2018 Aug 15;65:270-275. doi: 10.1016/j.meegid.2018.08.010. (Impact factor: **2.5**)
8. Herman E. K., Yiangou L., Cantoni D. M., Miller C. N., Marciano-Carbal F., Anthonyrajah E., Dacks J. B., **Tsaousis A. D.\***, (2018) Identification and characterisation of the cryptic Golgi Apparatus in *Naegleria gruberi*. *J Cell Sci*. 2018 Apr 9;131(7). (Impact factor: **4.431**; cited by **2** articles)
9. Betts E. L., Gentekaki E., Thomasz A., Breakell V., Carpenter A., **Tsaousis A. D.\*** (2018) Genetic diversity of *Blastocystis* in non-primate animals. *Parasitology*, 1-7. doi:10.1017/S0031182017002347 (Impact factor: **2.511**; cited by **3** articles)
10. Miller C. N., Josse L. J., Brown I., Blakeman, B. J. F., and Povey J. F., Nader, Price M., Cinatl J., Xue W-F., Michaelis M., and **Tsaousis A. D.\*** (2018) A new platform that enables long-term cultivation of *Cryptosporidium*. *Int J Parasitol*. 2018 Mar;48(3-4):197-201. doi: 10.1016/j.ijpara.2017.10.001. (Impact factor: **3.872**; cited by **2** articles)
11. Rueckert S., **Tsaousis A. D.**, (2017) Conference: Report of the 2017 *Protistology-UK* Spring Meeting, *European Journal of Protistology*, 61, 307 – 310
12. Gentekaki, E., Curtis, B.A., Stairs, C.W., Klimeš, V., Eliáš, M., Salas-Leiva, D.E., Herman, E.K., Eme, L., Arias, M.C., Henrissat, B. Hilliou, F., Klute, M.J., Suga, H., Malik, S.B., Pightling, W.W., Kolisko, M., Rachubinski, R.A., Schlacht, A., Soanes, D.M., **Tsaousis, A. D.**, Archibald, J.M., Ball, S.G., Dacks, J.B., Clark, C.G., van der Giezen, M., Roger A.J. (2017) Extreme genome diversity in the hyper-prevalent parasitic eukaryote *Blastocystis*. *PLoS Biol*, 15(9):e2003769. doi: 10.1371/journal.pbio.2003769 (Impact factor: **9.163**; cited by **7** articles)

13. Saintas E, Abrahams L, Ahmad GT, Ajakaiye AM, AlHumaidi AS, Ashmore-Harris C, Clark I, Dura UK, Fixmer CN, Ike-Morris C, Mato Prado M, Mccullough D, Mishra S, Schöler KM, Timur H, Williamson MD, Alatsatianos M, Bahsoun B, Blackburn E, Hogwood CE, Lithgow PE, Rowe M, Yiangou L, Rothweiler F, Cinatl J Jr, Zehner R, Baines AJ, Garrett MD, Gourlay CW, Griffin DK, Gullick WJ, Hargreaves E, Howard MJ, Lloyd DR, Rossman JS, Smales CM, **Tsaousis A.D.**, von der Haar T, Wass MN, Michaelis M. Acquired resistance to oxaliplatin is not directly associated with increased resistance to DNA damage in SK-N-ASrOXALI4000, a newly established oxaliplatin-resistant sub-line of the neuroblastoma cell line SK-N-AS. *PLoS One*. 2017 Feb 13;12(2)
14. Richardson E., Zerr K, **Tsaousis A.D.**, Dorrell R.G., & Dacks J.B., (2015) Evolutionary cell biology: functional insight from "endless forms most beautiful". *Mol Biol Cell*. 2015 Dec 15;26(25):4532-8 (Impact factor: **4.803**; cited by **4** articles; **2199** downloads)
15. **Tsaousis A.D.\***, Nývltová E., Sutak, R., Hrdy, I., & Tachezy J. (2014) Non-mitochondrial hydrogen production of *Naegleria gruberi*. *Gen Biol Evol* **6**(4), 792-799 (Impact factor: **4.532**; cited by **9** articles)
16. **Tsaousis A.D.\***, Gentekaki E., Eme L., Gaston D. & Roger A.J. (2014) Evolutionary relationships and origin of the Cytosolic Iron-Sulphur Assembly (CIA) machinery in eukaryotes. *Eukaryotic Cell*, **13**(1): 143-53 (Impact factor: **3.179**; cited by **29** articles; **1548** downloads)
17. **Tsaousis A. D.\***, Ollagnier-de Choudens S., Gentekaki E., Long S., Gaston D., Stechmann A., Vinella D., Py B., Fontecave M., Barras F., Lukeš J., & Roger A. J., (2012) Evolution of Fe-S cluster biogenesis in the anaerobic parasite *Blastocystis*, *Proc Natl Acad Sci USA* **109**(26):10426-31 (Impact factor: **9.737**; cited by **45** articles)
18. **Tsaousis, A. D.\***, Gaston D., Stechmann A., Walker P. B., Lithgow T. & Roger A. J. (2011) A Functional Tom70 in the Human Parasite *Blastocystis* sp.: Implications for the Evolution of the Mitochondrial Import Apparatus, *Mol Biol Evol* **28**(1):781-91 (Impact factor: **14.308**; cited by **22** articles)
19. Hjort, K., Goldberg, A.V., **Tsaousis, A.D.**, Hirt, R.P., and Embley, T.M. (2010). Diversity and reductive evolution of mitochondria among microbial eukaryotes. *Philos Trans R Soc Lond B Biol Sci* **365**, 713-727 (Impact factor: **6.23**; cited by **131** articles)
20. Gaston D., **Tsaousis A. D.**, & Roger A. J. (2009) Predicting proteomes of mitochondria and related organelles from genomic and expressed sequence tag data, *Methods in Enzymol*, **457**: 21-41 (Impact factor: **2.19**; cited by **31** articles)
21. **Tsaousis, A. D.**, Kunji E. R. S., Goldberg, A. V., Lucocq J. M., Hirt, R. P. & Embley T. M. (2008) A novel route for ATP acquisition by the remnant mitochondria of *Encephalitozoon cuniculi*, *Nature* **453**: 553-556 (Impact factor: **42.351**; cited by **176** articles)  
Faculty of 1000 Biology: evaluations for Tsaousis AD et al *Nature* 2008 May 22 453 (7194) :553-6 <http://www.f1000biology.com/article/id/1108432/evaluation> - Factor **8.0** - **Exceptional**
22. Goldberg, A. V., Molik, S., **Tsaousis, A. D.**, Kuhnke, G., Delbac, F., Vivares, C., Hirt, R. P., Lill, R. & Embley T. M. (2008) Localisation and functionality of microsporidian iron-sulphur cluster assembly proteins, *Nature* **452**: 624-628 (Impact factor: **42.351**; cited by **193** articles)
23. **Tsaousis, A. D.**, Martin, D. P., Ladoukakis, E. D., Posada, D. & Zouros, E. (2005) Widespread Recombination in Published Animal mtDNA Sequences, *Mol Biol Evol* **22**: 925-933 (Impact factor: **14.308**; cited by **131** articles)

\* Corresponding author

## REVIEWER

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### GRANTS:

Panel of experts for the H2020-MSCA-IF-2016, H2020-MSCA-IF-2017 and H2020-MSCA-IF-2018 Newton Funds (UK)

Leverhulme Grants (UK)

Human Frontier Science Program Organization Grants (USA)

BBSRC - Biotechnology and Biological Sciences Research Council (UK)

### MANUSCRIPTS:

*African Journal of Microbiology Research, BMC Evolutionary Biology, Canadian Journal of Microbiology, Environmental Microbiology and Environmental Microbiology Reports, European Journal of Protistology, Frontiers in Microbiology, Frontiers in Plant Science, Folia Parasitologica, Infectious Agents and Cancer, International Journal for Parasitology, Journal of Invertebrate Pathology, Journal of Molecular Biology, Molecular Biochemical Parasitology, Molecular Biology and Evolution, Molecular Microbiology, Nature Communications, Parasites & Vectors, Parasitology, PLoS Neglected Diseases, PLoS One, PLoS Pathogens, Protist, Scientific Reports, Veterinary Parasitology*

## INVITED SPEAKER

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Keynote speaker: “**Establishing the building blocks of *Blastocystis* research: from genome to microbiome**” International Congress of Parasitology (ICOPA2018), Exco, Daegu, Korea, August 19<sup>th</sup> -24<sup>th</sup>, 2018.

Invited speaker: “**New tools to understand *Cryptosporidium* biology**”, BBSRC sponsored meeting: Organoid Cultures And Other In Vitro Systems To Study Host-Pathogen Interactions, Moredun Research Institute, Edinburgh, UK, January 23<sup>rd</sup> 2018

Invited speaker: “**New tools to understand *Cryptosporidium* biology**”, EMBO meeting on Anaerobic protists: Integrating parasitology with mucosal microbiota and immunology, Newcastle Upon Tyne, UK, August 31<sup>st</sup> – September 3<sup>rd</sup>, 2017

Invited speaker: “**Establishing *Naegleria gruberi*'s toolkit for investigating eukaryotic cell biology**”, Annual Meeting of the Microbiology Society, Edinburgh, Scotland, UK, April 3<sup>rd</sup> – April 6<sup>th</sup>, 2017

Invited speaker: “**The SUF machinery in microbial eukaryotes and its relation to mitochondria**”, 115<sup>th</sup> International Titisee Conference, Titisee, Germany, March 29<sup>th</sup> – April 2<sup>nd</sup>, 2017

Invited seminar speaker: “***Cryptosporidium*: new insights and old challenges**”, University of Cambridge, Cambridge, UK, January 18<sup>th</sup>, 2017

Invited seminar speaker: “**Investigations on the distribution and biochemical adaptations of microbial parasites**”, University of Alberta, Edmonton, Canada, November 14<sup>th</sup>, 2016

Invited seminar speaker: “**Parasites without out borders: Establishing new methods for battling Infectious Diseases**”, Mae Fah Luang University, Chiang Rai, Thailand, September 15<sup>th</sup>, 2016

Invited seminar speaker: “**Laying the foundations of a new era of *Cryptosporidium* research**”, University of Manchester, Manchester, UK, June 24<sup>th</sup>, 2016

Invited seminar speaker: “**Tackling cryptosporidiosis: entering a new era of research**”, University of Greenwich, Kent, UK, October 14<sup>th</sup>, 2015

Invited seminar speaker: “**Laying the foundations of a new era of *Cryptosporidium* research**”, University of Alberta, Edmonton, Canada, September 25<sup>th</sup>, 2015

Invited seminar speaker: “**How mitochondria have influenced the evolution of the eukaryotic cell?**” Bern University, Bern, Switzerland, June 29<sup>th</sup>, 2015

Invited speaker: “**Raising questions on the evolution of Fe-S cluster assembly machineries in microbial eukaryotes**” IUBMB Symposium FeS 2015 - Iron Sulfur Cluster Biogenesis and Regulation - June 23<sup>rd</sup> – 26<sup>th</sup>, 2015 - Bergamo, Italy

Invited speaker: “**Fe-S cluster biosynthesis and Fe-S cluster proteins in an ancient eukaryote**” Iron-sulfur cluster proteins meeting, MRC National Institute for Medical Research, Mill Hill London, March 24<sup>th</sup>, 2015

Oral presentation: “**Function of mitochondrial-related organelles in microbial eukaryotes: assembling one of the most complicated puzzles**” Annual Conference of the Society of General Microbiology, Birmingham, UK, 29<sup>th</sup> March – 2<sup>nd</sup> April, 2015

Presentation: “**In search for the *raison d'être* of mitochondria and related organelles**” Nottingham University, School of Biology, UK, 12<sup>th</sup> of March, 2013

Seminar: “**Identifying the true roles of mitochondria through investigations in microbial eukaryotes**” Oxford University, Department of Zoology, UK, 16<sup>th</sup> of November, 2012

Presentation: “**Reconstruction of the proteome of the mitochondrion-related organelle of *Blastocystis sp.***” EMBO fellows meeting, Heidelberg, Germany, 16<sup>th</sup> – 19<sup>th</sup> June, 2011

Seminar: “**The anaerobic biochemical adaptations of *Blastocystis sp* and its mitochondrion**”, Department of Biology, University of Ottawa, Canada, 06<sup>th</sup> January, 2011

Presentation: “**The biochemical adaptations of the mitochondrion-related organelle of *Blastocystis sp.***”, EMBO fellows meeting, Salk Institute, La Jolla, San Diego, USA, 5<sup>th</sup> – 7<sup>th</sup> November, 2010

Special lecture: “**Insights on the function of the mitochondrion-related organelle of *Blastocystis sp.***” Department of Biomedical Chemistry, The University of Tokyo, Tokyo, Japan, 16<sup>th</sup> July, 2010

Seminar: “**The Mysterious Organelle of *Blastocystis sp.*: Implications for the Evolution of Mitochondria**”, Department of Biochemistry and Molecular Biology, Dalhousie University, Halifax, NS, 27<sup>th</sup> May, 2010

Presentation: “**Characterization of *Blastocystis* organellar proteins in the mitochondrion of *T. brucei***”, Mitochondrion of *Trypanosoma brucei* enters the post – proteomic era, Trest, Czech Republic 27<sup>th</sup> – 30<sup>th</sup> September, 2009

Lecture: “**Evolution and function of microsporidian mitosome**”, Department of Parasitology, Charles University, Prague, Czech Republic, 14<sup>th</sup> October, 2008

Lecture: “**Evolution and function of mitochondrial-like organelles**”, Department of Molecular Biology, University of South Bohemia, České Budějovice, Czech Republic, 07<sup>th</sup> October, 2008

Presentation: “**The microsporidian mitosome is an energy parasite**”, CIFAR - Integrated Microbial Biodiversity Program, Carling Lake Resort, Quebec, Canada, 7<sup>th</sup> – 9<sup>th</sup> May, 2008

## **ABSTRACTS PRESENTED IN CONFERENCES (27 as first author/presenter)**

1. L. Yiangou & **A.D. Tsaousis**. Exploring the anaerobic adaptations of the mitochondrion-related organelles of *Blastocystis*. ISEP2018, Droushia Heights, Pafos, Cyprus, 27<sup>th</sup> May – 1<sup>st</sup> June, 2018
2. C. J. Warren, L. Yiangou, R. Low, A. Jackson & **A.D. Tsaousis**. Investigating the Mitochondrial Adaptations of *Proteromonas lacertae*, ISEP2018, Droushia Heights, Pafos, Cyprus, 27<sup>th</sup> May – 1<sup>st</sup> June, 2018
3. E.L. Betts, E. Gentekaki, A.I. Carpenter, A. Harland & **A.D. Tsaousis**. Prevalence of intestinal protists among captive animals in wildlife parks across Kent, ISEP2018, Droushia Heights, Pafos, Cyprus, 27<sup>th</sup> May – 1<sup>st</sup> June, 2018
4. E. Kazana, L. Yiangou, J. Pyrih, V. Freire-Beneitez, D.M. Cantoni, C.N. Miller, E. Herman, A. Buscaino, T. von der Haar, J.B. Dacks & **A.D. Tsaousis**. *Naegleria gruberi* as new model for investigating the evolution and cell biology of eukaryotes, ISEP2018, Droushia Heights, Pafos, Cyprus, 27<sup>th</sup> May – 1<sup>st</sup> June, 2018
5. S. Rueckert & **A.D. Tsaousis**, Gregarines: parasites, commensals or even mutualists? ISEP2018, Droushia Heights, Pafos, Cyprus, 27<sup>th</sup> May – 1<sup>st</sup> June, 2018
6. V. Jinatham, A. Yowang, A. McCain, T. Chumphonsuk, N. Thongsin, N. Kullawong, **A.D. Tsaousis**, S. Popluechai & E. Gentekaki. Diversity and prevalence of *Blastocystis* in asymptomatic volunteers living in Chiang Rai Province, Thailand, ISEP2018, Droushia Heights, Pafos, Cyprus, 27<sup>th</sup> May - 1<sup>st</sup> June, 2018
7. J. Pyrih, L. Yiangou, V. Freire-Beneitez, C. N. Miller, E. Herman, A. Buscaino, T. von der Haar, J. B. Dacks and **A. D. Tsaousis\***. A new model for investigating the evolution and cell biology of eukaryotes: the case of *Naegleria gruberi*, Annual Meeting of the Microbiology Society, Birmingham, UK, 10<sup>th</sup> – 13<sup>th</sup>, April, 2018
8. C.N. Miller, L. Josse, A.J. Bones, W.R.T. Mosedale, I. Brown, M. Howard, M. Michaelis, **A.D. Tsaousis\***, Developing new tools for investigating host-parasite interactions in *Cryptosporidium* spp., Host-Parasite Interactions: From Molecules to Ecosystems, The Banff Centre, Banff, Alberta, Canada, 21<sup>st</sup> – 24<sup>th</sup> September 2017
9. J. Pyrih, **A.D. Tsaousis**, P. Doležal, Julius Lukeš, Targeting of mitochondrial-encoded proteins into inner mitochondrial membrane of *Naegleria gruberi*., 28<sup>th</sup> Annual Molecular Parasitology meeting, MBL, Woods Hole, MA, USA, 10<sup>th</sup> – 14<sup>th</sup> September, 2017
10. C.N. Miller, L. Josse, A.J. Bones, W.R.T. Mosedale, I. Brown, M. Howard, M. Michaelis, **A.D. Tsaousis\***, A new long-term cell culturing system for *Cryptosporidium* and new tools for investigating its parasitic life style., 15<sup>th</sup> International Congress of Protistology (ICOP 2017), Prague, Czech Republic, 30<sup>th</sup> July – 4<sup>th</sup> August, 2017
11. E.L. Betts, E. Gentekaki, A. Thomasz, V. Breakell, A. I. Carpenter, **A.D. Tsaousis**, Occurrence of *Blastocystis* among Woodland animals in a Wildlife park., 15<sup>th</sup> International Congress of Protistology (ICOP 2017), Prague, Czech Republic, 30<sup>th</sup> July – 4<sup>th</sup> August, 2017
12. L. Yiangou, E.K. Herman, C.N. Miller, E. Anthonyrajah, J.B. Dacks, **A.D. Tsaousis**, *Naegleria gruberi*: The journey of discovering the Golgi almighty., 15<sup>th</sup> International Congress of Protistology (ICOP 2017), Prague, Czech Republic, 30<sup>th</sup> July – 4<sup>th</sup> August, 2017
13. L. Yiangou, M. Michaelis, **A.D. Tsaousis**, Establishing a novel drug discovery platform for the identification of anti-microbial compounds against the “brain-eating amoeba”., 15<sup>th</sup> International Congress of Protistology (ICOP 2017), Prague, Czech Republic, 30<sup>th</sup> July – 4<sup>th</sup> August, 2017

14. C.N. Miller, L.J. Josse, I. R. Brown, M. Michaelis, **A. D Tsaousis\***, A new long-term cell culturing system for *Cryptosporidium* and new tools for investigating its cell biology., 6<sup>th</sup> International *Giardia & Cryptosporidium* Conference, Havana, Cuba. April 26<sup>th</sup> – 28<sup>th</sup>, 2017
15. C.N. Miller, C. Panagos, M. Kvac, M.J. Howard, **A. D. Tsaousis\***, The metabolic changes of the host-pathogen environment in a *Cryptosporidium* infection., 6<sup>th</sup> International *Giardia & Cryptosporidium* Conference, Havana, Cuba. April 26<sup>th</sup> - 28<sup>th</sup>, 2017
16. C. More, L. Josse, L.Yiangou, E. Saintas, M. Michealis and **A.D. Tsaousis**, Establishing the first *Cryptosporidium* drug screening using the culturing platform, Annual Meeting of the Microbiology Society, Edinburgh, Scotland, UK, April 3<sup>rd</sup> – April 6<sup>th</sup>, 2017
17. L. Yiangou, M. Michaelis, **A.D. Tsaousis**, Establishing a novel drug discovery platform for the identification of anti-microbial compounds against the “brain-eating amoeba”., Annual Meeting of the Microbiology Society, Edinburgh, Scotland, UK, April 3<sup>rd</sup> – April 6<sup>th</sup>, 2017
18. A.J. Bones, L. Josse, C.N. Miller, M. Michaelis, **A.D. Tsaousis**, *In vitro* cell culturing of *Cryptosporidium parvum*., Annual Meeting of the Microbiology Society, Edinburgh, Scotland, UK, April 3<sup>rd</sup> – April 6<sup>th</sup>, 2017
19. E.L. Betts, E. Gentekaki, V. Breakell, A. I. Carpenter, **A.D. Tsaousis**, Occurrence of *Blastocystis* sp. among woodland animals in a wildlife park., Annual Meeting of the Microbiology Society, Edinburgh, Scotland, UK, April 3<sup>rd</sup> – April 6<sup>th</sup>, 2017
20. C.N. Miller, L.J. Jossé, I. Brown, L. Yiangou, B. Blakeman, J. Povey, M. Rowe, W-F. Xue, M. Howard, M. Michaelis, M.N. Wass, E.J. Hargreaves, **A.D. Tsaousis**, Expanding production time of mammalian cell cultures for biotechnological applications, BioProNet meeting, Nottingham, October 19<sup>th</sup> - 20<sup>th</sup>, 2016
21. L. T. Williams, E. Gentekaki, D. Lynn, M.N. Wass & **A. D. Tsaousis\***, Overview of the whole spectrum of mitochondrial diversity within the ciliate lineage, Protist 2016 meeting, Moscow, Russia, 6<sup>th</sup> – 9<sup>th</sup> June 2016
22. C. N. Miller, I. Brown, M. Howard, M. Michaelis, & **A. D. Tsaousis**, Establishing *Cryptosporidium* as a model for studying the biology and evolution of apicomplexans and unique organelles, Protist 2016 meeting, Moscow, Russia, 6<sup>th</sup> – 9<sup>th</sup> June 2016
23. C. N. Miller, I. Brown, B. J. F. Blakeman, J. F. Povey, M. Price, J. Cinatl, W-F. Xue, M. Michaelis, & **A. D. Tsaousis\*** (2016) A new long-term cell culturing system for *Cryptosporidium*. BSP Spring meeting 2016, London – From science to Solutions: optimising control of parasitic diseases, London, UK, 11<sup>th</sup> – 14<sup>th</sup> April, 2016
24. C. N. Miller, I. Brown, L. Yiangou, M. Michaelis & **A.D. Tsaousis**, Investigating the cell biology of *Cryptosporidium parvum* infection, Annual Conference of the Society of General Microbiology, Birmingham, UK, 29<sup>th</sup> March – 2<sup>nd</sup> April, 2015
25. **A.D. Tsaousis\***, C.N. Miller, E. Nývltová, C. Chiu, A.L. Greninge, J.B. Dacks, Jan Tachezy, M. van der Giezen, Mitochondriomics in *Naegleria* species, Protist 2014 meeting, Banff, Alberta, Canada. 2nd - 8th August, 2014
26. L. Yiangou, M. Michaelis, **A.D. Tsaousis\***, Establishing a novel drug discovery platform for the identification of anti-microbial compounds against the “brain-eating amoeba”, Protist 2014 meeting, Banff, Alberta, Canada 2<sup>nd</sup> - 8<sup>th</sup> August, 2014
27. **A. D. Tsaousis\***, E. Nývltová, I. Hrdy, & J. Tachezy, Anaerobic adaptations of the mitochondria in *Naegleria gruberi*. ICAP V, Los Angeles, USA, 6<sup>th</sup> – 9<sup>th</sup> September, 2012



28. E. Nývltová, P. Rada, **A.D. Tsaousis**, I. Hrdý & Jan Tachezy, Diversity of FeS cluster machinery in parasitic protists. ICAP V, Los Angeles, USA, 6<sup>th</sup> – 9<sup>th</sup> September, 2012
29. **A. D. Tsaousis\***, E. Gentakaki, E. Nývltová, G. C. Stevens, I. Hrdy, A. J. Roger & J. Tachezy, The anaerobic adaptations of *Blastocystis* mitochondrion-related organelles and the evolution of mitochondria. Protist 2012 meeting, Oslo, Norway, 29<sup>th</sup> July – 3<sup>rd</sup> August, 2012 - **Holz-Conner Travel Grant Award 2012**
30. **A. D. Tsaousis\***, E. Gentakaki, D. Gaston & A. J. Roger, Adaptations of the Cytosolic Iron/Sulfur cluster Assembly machinery in the microbial eukaryotes. Protist 2012 meeting, Oslo, Norway, 29<sup>th</sup> July – 3<sup>rd</sup> August, 2012
31. **A. D. Tsaousis\***, E. Nývltová, I. Hrdy, & J. Tachezy, Anaerobic adaptations of the mitochondria in *Naegleria gruberi*. Protist 2012 meeting, Oslo, Norway, 29<sup>th</sup> July – 3<sup>rd</sup> August, 2012
32. E. Gentekaki, L. Eme, B. Curtis, **A. D. Tsaousis**, J. Archibald & A. J. Roger, *Blastocystis* sp. Nand II strain: an evolutionary mosaic or a deeply divergent organism? Protist 2012 meeting, Oslo, Norway, 29<sup>th</sup> July – 3<sup>rd</sup> August, 2012
33. **A. D. Tsaousis\***, E. Gentekaki, S. Ollagnier-de Choudens, S. Long, B. Py, A. Stechmann, D. Gaston, M. Fontecave, F. Barras, J. Lukeš, & A. J. Roger, Fe- S cluster biogenesis in *Blastocystis* is accomplished by a mitochondrion-derived ISC machinery and a cytosolic SUF system acquired by lateral gene transfer from anaerobic prokaryotes. 6th International Conference on Biogenesis of iron sulphur proteins and regulatory functions, Cambridge, UK, 22<sup>nd</sup> – 25<sup>th</sup> August, 2011
34. **A. D. Tsaousis\*** & A. J. Roger. Reconstruction of the proteome of the mitochondrial-related organelles of *Blastocystis* adds a fundamental piece to the puzzle of the metabolic plasticity of mitochondria. EMBO fellows meeting, Heidelberg, Germany, 16<sup>th</sup> – 19<sup>th</sup> June, 2011
35. **A. D. Tsaousis\***, E. Gentekaki, D. Gaston & A. J. Roger. The biochemical adaptations of the mitochondrion-related organelle of *Blastocystis* sp. EMBO fellows meeting, Salk Institute, La Jolla, San Diego, USA, 5<sup>th</sup> – 7<sup>th</sup> November, 2010
36. **A. D. Tsaousis\*** & A. J. Roger. “The unique mitochondrion related organelle of *Blastocystis*” 21<sup>st</sup> Annual Molecular Parasitology meeting, MBL, Woods Hole, MA, USA, 12<sup>th</sup> – 16<sup>th</sup> September, 2010
37. **A. D. Tsaousis\***, & A. J. Roger. “Insights on the function of the mitochondrion-related organelle of *Blastocystis* sp.” ISEP XVIII meeting, Kanazawa, Japan, 2<sup>nd</sup> – 7<sup>th</sup> July, 2010
38. G. C. Stevens, **A. D. Tsaousis\*** & A. J. Roger. “Strategies of pyruvate decarboxylation of the mitochondrion-related organelle of *Blastocystis* sp.” ISEP XVIII meeting, Kanazawa, Japan, 2<sup>nd</sup> – 7<sup>th</sup> July, 2010
39. **A. D. Tsaousis\***, A. Stechmann, D. Gaston, P. B. Walker, T. Lithgow & A. J. Roger. “A functional TOM70 in *Blastocystis* and related stramenopiles suggests it was part of the ancestral core mitochondrial protein import apparatus” Leopoldina symposium Molecular Genetics of Chloroplasts and Mitochondria” Berlin, Germany, 20<sup>th</sup> – 23<sup>rd</sup> September, 2009
40. **A. D. Tsaousis\***, A. Stechmann, D. Gaston, P. B. Walker, T. Perley, C. A. W. Stairs & A. J. Roger. “The unique mitochondrion related organelle of *Blastocystis*”, XIII International Congress of Protistology, Armação dos Búzios, Rio de Janeiro, Brazil, 23<sup>th</sup> – 28<sup>th</sup> August, 2009. **Walter Colli Prize 2009**
41. C. A. W. Stairs, **A. D. Tsaousis** & A. J. Roger. “Unique subcellular localization of mitochondrial proteins in the mitochondrion related organelle of *Mastigamoeba balamuthi*”. CIFAR - Integrated Microbial Biodiversity Program, California, 17<sup>th</sup> – 20<sup>th</sup> June 2009

42. **A. D. Tsaousis\***, A. Stechmann & A. J. Roger. "The Fe/S biosynthetic pathways of *Blastocystis* sp.", Protist2008, Halifax, Nova Scotia, Canada, 21<sup>st</sup> – 26<sup>th</sup> July, 2008
43. P. B. Walker, **A. D. Tsaousis** & A. J. Roger. "A unique feature of the mitochondrial protein import machinery in *Blastocystis*", Protist2008, Halifax, Nova Scotia, Canada, 21<sup>st</sup> – 26<sup>th</sup> July, 2008
44. **A. D. Tsaousis\***, A.V. Goldberg-Cavalieri, R.P. Hirt, E.R.S Kunji, J. M. Lucocq & T.M. Embley. "A novel route for ATP acquisition by the remnant mitochondria of *Encephalitozoon cuniculi*", Protist2008, Halifax, Nova Scotia, Canada, 21<sup>st</sup> – 26<sup>th</sup> July, 2008
45. **A. D. Tsaousis\***, A.V. Goldberg-Cavalieri, R.P. Hirt, E.R.S Kunji & T.M. Embley. "Studies on the Microsporidian Mitosome". Society of Molecular Biology and Evolution Conference – SMBE 2007, Halifax, Nova Scotia, Canada, 24<sup>th</sup> – 28<sup>th</sup> June 2007
46. **A. D. Tsaousis\***. "Studies on the Microsporidian Mitosome" FEBS Advanced course: Mitochondria in Life, Death and Disease, 25<sup>th</sup> – 29<sup>th</sup> April 2007. **YTF award**
47. **A. D. Tsaousis\***, A.V. Goldberg-Cavalieri, R.P. Hirt & T.M. Embley. "Studies on the Microsporidian Mitosome". 11<sup>th</sup> International Congress of Parasitology – ICOPA XI, Glasgow, Scotland, UK. 6<sup>th</sup> – 11<sup>th</sup> August 2006
48. **A. Tsaousis\***, I. Theologidis, E. Ladoukakis & E. Zouros. "Mosaic molecules in *Mytilus galloprovincialis* males". The 25th annual conference of the Hellenic Society for Biological Sciences. Lesbos, Greece, 29<sup>th</sup> May – 1<sup>st</sup> June 2003
49. I. Theologidis, **A. Tsaousis**, E. Ladoukakis & E. Zouros. "Female *Mytilus galloprovincialis* contain only pure F-type mtDNA molecules". The 25th annual conference of the Hellenic Society for Biological Sciences. Lesbos, Greece, 29<sup>th</sup> May – 1<sup>st</sup> June 2003
50. **A. Tsaousis\***, A. Hadjisavvas, I. Zouvani, M. Vasiliou, G. Kalakoutis, M. Televantos, A. Adamou & K. Kyriakou. "Study of P53 with immunohistochemistry and Molecular Biology in Breast and Ovarian Cancer". 1<sup>st</sup> Multidisciplinary Anticancer Congress". Athens, Greece. 20<sup>th</sup> – 23<sup>rd</sup> March 2003

\*Personally delivered at conference

## PROFESSIONAL SOCIETIES

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|-----------------|---|
| 2016 – current: | Member of the <i>Protistology-UK</i> society<br><b>since 06/2018: Vice president of the society</b><br><b>04/2016 – 06/2018: Elected committee member</b>                       |
| 2014 – current: | Member of <i>Microbiology Society</i><br><b>since 07/2015: Elected representative of the Eukaryotic division</b>  |
| 2013 – current: | Member of the <i>American Society for Microbiology</i>  |
| 2013 – current: | Member of the <i>European Society of Clinical Microbiology and Infectious Diseases</i>  |
| 2013 – current: | Member of <i>Biochemical Society</i>  |
| 2012 – current: | Member of <i>American Association for the Advancement of Science (AAAS)</i>   |
| 2010 – current: | Member of the <i>Society for the Study of Evolution (SSE)</i>   |
| 2009 – current: | <i>EMBO</i> fellow  |
| 2008 – current: | Member of <i>The International Society of Evolutionary Protistology (ISEP)</i><br><b>since 07/2010: Secretary of membership (elected 5 times: 2010, 2012, 2014, 2016, 2018)</b> |
| 2008 – current: | Member of <i>The International Society of Protistologists (ISOP)</i><br><b>since 2013: member of the awards committee</b>   |

## **OUTREACH**

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- 09/2017 – current: Involved in the “Antibiotics Unearthed” initiative sponsored by the Microbiology Society in association with three local Schools at Kent.
- 08/2018 & 08/2017: Co-organised two work experience weeks at the School of Bioscience at the University of Kent  
<https://www.kent.ac.uk/bio/engagement/index.html>
- 06/2018: Organised “*Café Scientifique*” at the American International School in Cyprus (AISC) in Nicosia (Cyprus)
- 05/2018: Organised “Little Monsters under the Microscope” in Droushia Heights (Pafos, Cyprus) in parallel with the XXII meeting of the International Society for Evolutionary Protistology (ISEP)  
Dedicated blog for both events: <https://microbeblog.org/2018/09/19/bringing-protistology-to-the-public/>
- 10/2017 & 10/2016: Co-organise events at the School of Biosciences as part of the Canterbury Festival 2016 & 2017
- 2014 – 2017: Organise three outreach events named “Whose genes are those?”. More than a hundred students participated in these vents that took place at the School of Biosciences at Kent.

## **OTHER PROFESSIONAL ACTIVITIES**

- 05-06/2018: **Main coordinator of the XXII meeting of the International Society for Evolutionary Protistology (ISEP2018)** in Droushia Heights (Pafos, Cyprus) between 27<sup>th</sup> of May until 1<sup>s</sup> of June 2018. [www.isep18.com](http://www.isep18.com)
- 04/2017: Co-organiser of the “**Emerging Model Systems**” a session at the 2018 Annual Meeting of the Microbiology Society, Birmingham, UK. 10<sup>th</sup> – 13<sup>th</sup> of April, 2018.
- 09/2017 – 09/2018: **Negotiation committee member** for establishing a partnership between the Protistology-UK and the Microbiology Society:  
<https://microbiologysociety.org/news/society-news/protistology-uk-and-the-microbiology-society-announce-new-partnership.html>
- 04/2017: Organiser of the “**Annual Meeting of Protistology-UK Society: Intracellular infection and endosymbiosis within protists**” 1-day session at the Annual Meeting of the Microbiology Society, Edinburgh, UK. 3<sup>rd</sup> – 6<sup>th</sup> of April, 2017.
- 04/2017: Organiser of the “**Aquatic microbiology: New model organisms and new challenges**” 2-days session at the Annual Meeting of the Microbiology Society, Edinburgh, UK. 3<sup>rd</sup> – 6<sup>th</sup> of April, 2017.
- 10/2016: Participated at the **Microbiome Stakeholder Workshop** of the **Microbiology Society** in order to develop a report on microbiome research to inform policy-makers, decision-makers and other stakeholders.
- 07/2016: Organised and launched an event for the new group of Infectious Diseases at the School of Biosciences, entitled: **RAPID** (Resistance and Pathogenicity of Infectious Diseases).
- 03/2015: Organiser of the “**Mitochondria and related organelles**” **symposium** at the Annual meeting of the Society of General Microbiology (SGM), Birmingham UK, 29<sup>th</sup> March – 2<sup>nd</sup> April, 2015.
- 08/2014: Organiser of the “**Parasitology**” **Symposium** at the Protist 2014 meeting in Banff, Alberta, Canada, 2<sup>nd</sup> - 8<sup>th</sup> August, 2014

**SUPERVISION**

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01/2018 – current:	Dr. Eleanna Kazana	<i>Postdoctoral fellow</i> (Moore Foundation)
02/2017 – 03/2017:	Dr. Veronica Freire	<i>Postdoctoral fellow</i> (Moore Foundation)
11/2016 – 08/2018:	Dr. Lyto Yiangou	<i>Postdoctoral fellow</i> (BBSRC)
06/2016 – 08/2018:	Dr. Lyne Josse	<i>Postdoctoral fellow</i> (NIBB - BBSRC & Gates Foundation)
01/2016 – 01/2017:	Dr. Jan Pyrih	<i>Postdoctoral fellow</i> (Moore Foundation)
06/2015 – 12/2016:	Dr. Nicola Baker	<i>Postdoctoral fellow</i> (BBSRC)
03/2015 – current:	Ms. Tracey Purton	<i>Research Technician</i> (BBSRC & Moore Foundation)
09/2016 – current:	Ms. Emma Betts	<i>PhD student</i>
09/2015 – current:	Mr. Ronan Egan	<i>PhD student</i> <i>co-supervised with Tobias von der Haar</i>
09/2013 – 09/2017:	Dr. Christopher Miller	<i>PhD student</i>
09/2018 – current:	Mr. Jamie Newton	<i>MSc by Research student</i> <i>co-supervised with Jose Ortega-Roldan</i>
09/2017 – current:	Ms. Shelly-Ann Fung	<i>MSc by Research student (part time)</i>
09/2016 – current:	Ms. Kayley Smith	<i>MSc by Research student (part time)</i>
09/2017 – 09/2018:	Ms. Tansy Valentine	<i>MSc by Research student</i> <i>co-supervised with Wei-Feng Xue</i>
09/2017 – 09/2018:	Mr. Christopher Warren	<i>MSc by Research student</i>
11/2016 – 10/2017:	Mr. William Mosedale	<i>MSc by Research student</i>
09/2016 – 08/2017:	Mr. Alexander Bones	<i>MSc by Research student</i> <i>co-supervised with Martin Michaelis</i>
09/2016 – 08/2017:	Ms. Charlotte More	<i>MSc by Research student</i> <i>co-supervised with Martin Michaelis</i>
09/2016 – 08/2017:	Mr. Jake McGreig	<i>MSc by Research student</i> <i>co-supervised with Mark Shepherd (primary)</i>
01/2016 – 05/2016:	Ms. Nadin Fatallah	<i>MSc student</i>
09/2014 – 09/2017:	Mr. Luke Williams	<i>MPhil Research student</i> <i>co-supervised with Mark Wass (primary)</i>
09/2014 – 09/2015:	Mr. Christopher Raleigh	<i>MSc by Research student</i> <i>co-supervised with Mark Howard</i>