

2019年度 第33回 大学院セミナー

2019年 9月 13日

分野名 (責任者名)(内線)	病原原虫学分野 Dept of Pathogenic Protozoology 責任者名(Osamu Kaneko) 内線(7838)
演題	Lessons learned from primate malaria parasites Advances in <i>Plasmodium vivax</i> <i>in vitro</i> culture
講師等	Clemens H.M. Kocken and Erica M. Pasini (Dept Parasitol, Biomedical Primate Research Centre, The Netherlands)
概要	<p>Two speakers from Biomedical Primate Research Centre (BPRC), pioneer scientists in field of malaria research, are going to give talks on primate malaria and <i>Plasmodium vivax</i>.</p> <ol style="list-style-type: none"> <i>Plasmodium cynomolgi</i> as a model for <i>P. vivax</i> to study hypnozoite biology (Dr. Kocken) Exploiting the human K562 erythroleukemia line for the production of stable, homogenous reticulocyte populations for the continuous, long-term <i>in vitro</i> blood stage culture of <i>Plasmodium vivax</i> (Dr. Pasini) <p>Ref. Bertschi NL, et al. Transcriptomic analysis reveals reduced transcriptional activity in the malaria parasite <i>Plasmodium cynomolgi</i> during progression into dormancy. <i>Elife</i>. 2018;7. Voorberg-van der Wel A et al. A comparative transcriptomic analysis of replicating and dormant liver stages of the relapsing malaria parasite <i>Plasmodium cynomolgi</i>. <i>Elife</i>. 2017;6. pii: e29605. Pasini EM, et al. An improved <i>Plasmodium cynomolgi</i> genome assembly reveals an unexpected methyltransferase gene expansion. <i>Wellcome Open Res</i>. 2017;2:42. Shaw-Saliba K et al. Insights into an Optimization of <i>Plasmodium vivax</i> Sal-1 In Vitro Culture: The Aotus Primate Model. <i>PLoS Negl Trop Dis</i>. 2016;10(7):e0004870. Pasini EM, et al. Proteomic and genetic analyses demonstrate that <i>Plasmodium berghei</i> blood stages export a large and diverse repertoire of proteins. <i>Mol Cell Proteomics</i>. 2013;12(2):426-48. Fonager J et al. Reduced CD36-dependent tissue sequestration of <i>Plasmodium</i>-infected erythrocytes is detrimental to malaria parasite growth <i>in vivo</i>. <i>J Exp Med</i>. 2012 Jan 16;209(1):93-107. Pasini EM, Mann M, Thomas AW. Red blood cell proteomics. <i>Transfus Clin Biol</i>. 2010;17(3):151-64.</p>
開催日時	2019年 9月 26日(木) Sep/26/2019 16:00 ~ 17:30
場所	グローバルヘルス総合研究棟 1階 大セミナー室 Global Health Building 1F large seminar room
備考	

- 先端医療科学特論(基礎編)
- 先端新興感染症病態制御学特論
- 日本語

- 先端医療科学特論(臨床編)
- 先端放射線医療科学特論
- 英語