

The Paratuberculosis Newsletter

March 2015



**An official publication of the
International Association for Paratuberculosis**

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DEADLINE FOR NEXT ISSUE: 15 May 2015

All contributions should be sent to saxmose@sund.ku.dk

Søren Saxmose Nielsen
Editor

1. IAP Business

International Association for Paratuberculosis

112 Barnview Road
Kennett Square, PA 19348 USA

Financial Report--December 31, 2014

	Checking	Money Market	PayPal	Total
Open (1/1/13)	\$27,397.34	\$14,162.77	\$ 2,108.09	\$ 43,668.20
June 1, 2014	\$28,352.91	\$14,165.70	\$ 353.29	\$ 42,871.90
Close (12/31/14)	\$10,779.62	\$13,884.76	\$ 337.50	\$ 25,001.88

INCOME

	1/1/14 to 6/1/14	6/1/14 to 12/31/14	Annual Total
Dues	\$ 5,800.00	\$ 400.00	\$ 6,200.00
Interest	\$ 2.93	\$ 4.08	\$ 7.01
Royalties	\$ 15.00		\$ 15.00
Total	\$ 5,817.93	\$ 404.08	\$ 6,222.01

EXPENSES

	1/1/14 to 6/1/14	6/1/14 to 12/31/14	Annual Total
CreditCard/PayPal	\$ 374.17	\$ 194.27	\$ 568.44
Open Access Subsidy	\$ 1,000.00		\$ 1,000.00
Webmaster	\$ 5,240.06		\$ 5,240.06
Helping Hand, travel etc		\$18,079.83	\$ 18,079.83
Total	\$ 6,614.23	\$18,274.10	\$24,888.33

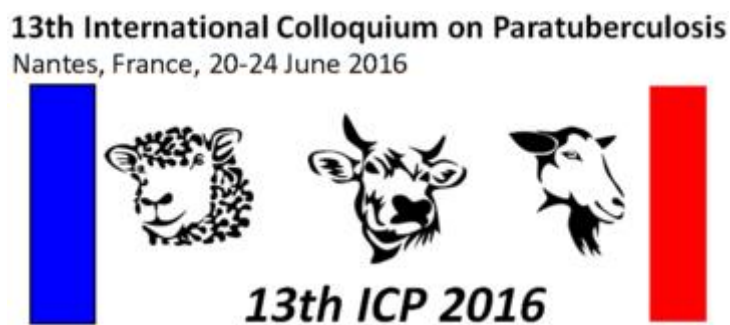
Respectfully Submitted,

Raymond W. Sweeney, VMD
Secretary-Treasurer

13th International Colloquium on Paratuberculosis

The 13th International Colloquium on Paratuberculosis will take place in Nantes, France, on 20-24th of June 2016. Please follow updates on the colloquium website:

<https://colloque6.inra.fr/icp2016/>



Abstract submission deadline is 31st of January 2016

Open Access publication subsidy

The appearance of the Open Access publication system can help the IAP to better fulfill its main objective of promoting and spreading the knowledge on paratuberculosis. Although this system has increasingly become a business that is posing a higher pressure to publish on researchers with some risk of decreasing the quality of the material being published, it still is a way to make research available to less wealthy societies that should help their scientists to stay current in the continuous flux of newly generated information. This perspective is fully in line with other IAP policies like the Helping Hand awards and has been approved by the Board of Directors, as well as discussed in the last General Membership meeting. In order to take advantage of this system regarding the costs of maintaining the highest possible scientific standards while putting to work the funds collected by the IAP, the following rules have been established.

IAP can pay one Open Access publication fee for papers on paratuberculosis according to the following terms:

- 1) The paper has been accepted by a peer-reviewed Open Access journal in English and both a copy of the paper and of the invoice is sent to the IAP. Priority will be given to journals in order of last published impact index.
- 2) Only one paper per group and year will be subsidized. A paper will be considered from a different group in the same year if it has: a) different senior author (generally the one signing last, with the higher number of papers and/or with higher position in the institution), and b) no more than half the authors signed a previously funded paper.
- 3) At least one among the first, second or the senior authors must be a member of the IAP in good standing.
- 4) Applications are accepted until an IAP fund of US\$10.000 per year is exhausted in a first come, first serve schedule with a maximum of US\$1000 per paper.
- 5) A Selection Committee will make the decision on each submitted paper and will establish new rules and policies on any aspect not specified in this guideline. Initially this Committee will be constituted by the Officers of the IAP: President, Vice-president, Secretary-Treasurer and Editor-in-Chief.
- 6) The evaluation will be a continuous process that will be applied to all the applications submitted every three months until exhaustion of the provided fund.
- 7) Since these publications' copyright remain in the hands of the authors, the IAP might chose to include the subsidized papers in the Paratuberculosis Newsletter. At least the full bibliographic reference of all the subsidized papers will be published in it.
- 8) The IAP would require the following disclaimer to be added to any publication of the winning papers in its own media (The Paratuberculosis Newsletter): The IAP financial

support of the Open Access publication does not mean IAP official endorsement of the published contents.

- 9) The call is open since its publication in The Paratuberculosis Newsletter and until otherwise noted in The Paratuberculosis Newsletter. Periodic reminders will also appear in its pages.
- 10) Submission must be sent by email to the Editor-in-Chief of the IAP (saxmose@sund.ku.dk) and must include a letter of application, a pdf copy of the published paper or its electronic address and a pdf copy of the publisher invoice.

Ramon A. Juste
President of the IAP

2. List of Recent Publications

- Alpay F, Zare Y, Kamalludin MH, Huang X, Shi X, Shook GE, Collins MT, Kirkpatrick BW. [Genome-wide association study of susceptibility to infection by *Mycobacterium avium* subspecies *paratuberculosis* in Holstein cattle](#). PLoS One. 9:e111704.
- Aly SS, Gardner IA, Adaska JM, Anderson RJ. [Off-site rearing of heifers reduces the risk of *Mycobacterium avium* ssp. *paratuberculosis* ELISA seroconversion and fecal shedding in a California dairy herd](#). J Dairy Sci. 2015 Jan 15. [Epub ahead of print].
- Amin AS, Hsu CY, Darwish SF, Ghosh P, Abdul-Fatah EM, Behour TS, Talaat AM. [Ecology and genomic features of infection with *Mycobacterium avium* subspecies *paratuberculosis* in Egypt](#). Microbiology. 2015 Feb 8. [Epub ahead of print].
- Bannantine JP, Talaat AM. [Controlling Johne's disease: vaccination is the way forward](#). Front Cell Infect Microbiol. 5:2.
- Bosca-Watts MM, Tosca J, Anton R, Mora M, Minguez M, Mora F. [Pathogenesis of Crohn's disease: Bug or no bug](#). World J Gastrointest Pathophysiol. 6:1-12.
- Cossu D, Mameli G, Masala S, Cocco E, Frau J, Marrosu MG, Sechi LA. [Evaluation of the humoral response against mycobacterial peptides, homologous to MOG₃₅₋₅₅, in multiple sclerosis patients](#). J Neurol Sci. 347:78-81.
- de Silva K, M Plain K, J Begg D, C Purdie A, J Whittington R. [CD4⁺ T-cells, \$\gamma\delta\$ T-cells and B-cells are associated with lack of vaccine protection in *Mycobacterium avium* subspecies *paratuberculosis* infection](#). Vaccine. 33:149-55.
- Dow CT. [M. *paratuberculosis* and Parkinson's disease--is this a trigger](#). Med Hypotheses. 83:709-12.
- Eckelt E, Jarek M, Frömke C, Meens J, Goethe R. [Identification of a lineage specific zinc responsive genomic island in *Mycobacterium avium* ssp. *paratuberculosis*](#). BMC Genomics. 15:1076.
- Eisenberg SW, Veldman E, Rutten VP, Koets AP. [A longitudinal study of factors influencing the result of a *Mycobacterium avium* ssp. *paratuberculosis* antibody ELISA in milk of dairy cows](#). J Dairy Sci. 2015 Feb 4. [Epub ahead of print].
- Erre GL, Cossu D, Masala S, Mameli G, Cadoni ML, Serdino S, Longu MG, Passiu G, Sechi LA. [Mycobacterium tuberculosis lipoarabinomannan antibodies are associated to rheumatoid arthritis in Sardinian patients](#). Clin Rheumatol. 33:1725-9.
- Frau J, Cossu D, Coghe G, Loreface L, Fenu G, Porcu G, Sardu C, Murru MR, Tranquilli S, Marrosu MG, Sechi LA, Cocco E. [Role of interferon-beta in *Mycobacterium avium* subspecies *paratuberculosis* antibody response in Sardinian MS patients](#). J Neurol Sci. 349:249-50.
- Hussain MH, Saqib M, Al-Maawali MG, Al-Makhladi S, Al-Zadjali MS, Al-Sidairi T, Asubaihi S, Al-Rawahi A, Mansoor MK. [Seroprevalence of *Mycobacterium avium* subspecies](#)

- [paratuberculosis \(MAP\) and evaluation of risk factors in camels of the Sultanate of Oman](#). Trop Anim Health Prod. 47:383-9.
- Krüger C, Köhler H, Liebler-Tenorio EM. [Cellular composition of granulomatous lesions in gut-associated lymphoid tissues of goats during the first year after experimental infection with *Mycobacterium avium* subsp. *paratuberculosis*](#). Vet Immunol Immunopathol. 163:33-45.
- Laurin EL, Chaffer M, McClure JT, McKenna SL, Keefe GP. [The association of detection method, season, and lactation stage on identification of fecal shedding in *Mycobacterium avium* ssp. *paratuberculosis* infectious dairy cows](#). J Dairy Sci. 98:211-20.
- Lavers CJ, Dohoo IR, McKenna SL, Keefe GP. [Sensitivity and specificity of repeated test results from a commercial milk enzyme-linked immunosorbent assay for detection of *Mycobacterium avium* subspecies *paratuberculosis* in dairy cattle](#). J Am Vet Med Assoc. 246:236-44.
- Leite FL, Reinhardt TA, Bannantine JP, Stabel JR. [Envelope protein complexes of *Mycobacterium avium* subsp. *paratuberculosis* and their antigenicity](#). Vet Microbiol. 175:275-85.
- Liang J, Sha SM, Wu KC. [Role of the intestinal microbiota and fecal transplantation in inflammatory bowel diseases](#). J Dig Dis. 15:641-646.
- Liaskos C, Spyrou V, Athanasiou LV, Orfanidou T, Mavropoulos A, Rigopoulou EI, Amiridis GS, Shoenfeld Y, Billinis C, Bogdanos DP. [Crohn's disease-specific anti-CUZD1 pancreatic antibodies are absent in ruminants with paratuberculosis](#). Clin Res Hepatol Gastroenterol. 2015 Jan 6. [Epub ahead of print].
- Matos AC, Figueira L, Martins MH, Loureiro F, Pinto ML, Matos M, Coelho AC. [Survey of *Mycobacterium avium* subspecies *paratuberculosis* in road-killed wild carnivores in Portugal](#). J Zoo Wildl Med. 45:775-81.
- Mitchell RM, Whitlock RH, Gröhn YT, Schukken YH. [Back to the real world: Connecting models with data](#). Prev Vet Med. 118:215-25.
- Nabatov AA. [The vesicle-associated function of NOD2 as a link between Crohn's disease and mycobacterial infection](#). Gut Pathog. 7:1.
- Pahangchopi D, Singh RV, Singh SV, Das P, Sharma D, Sardana T, Kumar N, Chaubey KK, Gupta S. [Evaluation of 'cattle' and 'Indian Bison' type antigens of *Mycobacterium avium* subspecies *paratuberculosis* for diagnosis of bovine Johne's disease using 'indigenous ELISA' and AGPT](#). Indian J Exp Biol. 52:1182-5.
- Pauciullo A, Küpper J, Brandt H, Donat K, Iannuzzi L, Erhardt G. [Wingless-type MMTV integration site family member 2 \(WNT2\) gene is associated with resistance to MAP in faecal culture and antibody response in Holstein cattle](#). Anim Genet. 2015 Jan 23. [Epub ahead of print].

- Pieper L, DeVries TJ, Sorge US, Godkin A, Hand KJ, Perkins NR, Imada J, Kelton DF. [Variability in risk assessment and management plan \(RAMP\) scores completed as part of the Ontario Johne's Education and Management Assistance Program \(2010-2013\)](#). J Dairy Sci. 2015 Jan 30. [Epub ahead of print].
- Piras C, Soggiu A, Bonizzi L, Greco V, Ricchi M, Arrigoni N, Bassols A, Urbani A, Roncada P. [Identification of immunoreactive proteins of *Mycobacterium avium* subsp. *paratuberculosis*](#). Proteomics. 15:813-23.
- Plain KM, Waldron AM, Begg DJ, de Silva K, Purdie AC, Whittington RJ. [Efficient, validated method for the detection of mycobacterial growth in liquid culture media using bead-beating, magnetic particle nucleic acid isolation and quantitative PCR](#). J Clin Microbiol. 2015 Jan 21. [Epub ahead of print]
- Rhodes G, Richardson H, Hermon-Taylor J, Weightman A, Higham A, Pickup R. [Mycobacterium avium subspecies paratuberculosis: Human exposure through environmental and domestic aerosols](#). Pathogens. 3:577-95.
- Rónai Z, Cshivincsik Á, Gyuranecz M, Kreizinger Z, Dán Á, Jánosi S. [Molecular analysis and MIRU-VNTR typing of *Mycobacterium avium* subsp. *paratuberculosis* strains from various sources](#). J Appl Microbiol. 118:275-83.
- Salem M, Seidelin JB, Eickhardt S, Alhede M, Rogler G, Nielsen OH. [Species-specific engagement of human nucleotide oligomerization domain 2 \(NOD\)2 and Toll-like receptor \(TLR\) signalling upon intracellular bacterial infection: role of Crohn's associated NOD2 gene variants](#). Clin Exp Immunol. 179:426-34.
- Salgado M, Alfaro M, Salazar F, Badilla X, Troncoso E, Zambrano A, González M, Mitchell RM, Collins MT. [Application of cattle slurry containing *Mycobacterium avium* subsp. *paratuberculosis* \(MAP\) to grassland soil and its effect on the relationship between MAP and free-living amoeba](#). Vet Microbiol. 175:26-34.
- Singh SV, Singh PK, Kumar N, Gupta S, Chaubey KK, Singh B, Srivastav A, Yadav S, Dhama K. [Evaluation of goat based 'indigenous vaccine' against bovine Johne's disease in endemically infected native cattle herds](#). Indian J Exp Biol. 53:16-24.
- Tran TH, Hsiao YS, Jo J, Chou CY, Dietrich LE, Walz T, Tong L. [Structure and function of a single-chain, multi-domain long-chain acyl-CoA carboxylase](#). Nature. 518:120-4.
- Verdugo C, Jones G, Johnson W, Wilson P, Stringer L, Heuer C. [Estimation of flock/herd-level true *Mycobacterium avium* subspecies *paratuberculosis* prevalence on sheep, beef cattle and deer farms in New Zealand using a novel Bayesian model](#). Prev Vet Med. 117:447-55.
- Verdugo C, Pleydell E, Price-Carter M, Prattley D, Collins D, de Lisle G, Vogue H, Wilson P, Heuer C. [Molecular epidemiology of *Mycobacterium avium* subsp. *paratuberculosis* isolated from sheep, cattle and deer on New Zealand pastoral farms](#). Prev Vet Med. 117:436-46.

Wolf R, Barkema HW, De Buck J, Orsel K. [Sampling location, herd size, and season influence *Mycobacterium avium* ssp. *paratuberculosis* environmental culture results](#). J Dairy Sci. 98:275-87.