

The Paratuberculosis Newsletter

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The official publication of the International Association for Paratuberculosis



CONTENTS

IAP business

15th ICP

Partuberculosis news

Upcoming events

Recent publications

Note from the Editor

As the date for the next ICP draws closer, this edition contains information on member support awards from the IAP which may assist you to travel to Dublin at attend the meeting.

I reiterate the call for content from members for inclusion in this newsletter –

contributions could include news about your research, critical reviews about new technologies or the current challenges for controlling paratuberculosis in your region.

Best wishes,

Kumi de Silva



IAP Business

IAP Member Support and Recognition Awards

Call for the 15th ICP Edition

Awards:

- Emeritus

- Richard Merkal Memorial Fellowship

- Helping Hand

Emeritus Awards

The status of Emeritus member of the IAP has the goal of acknowledging the merits of long-standing members that have retired and that have made significant contributions to the goals of the Association. In order to continue fulfilling this objective for the 15 ICP, the IAP launches a call for nominations according to the following guidelines.

Award contents:

Each award will include:

- 1) free full registration for the 15 ICP
- 2) free lifelong IAP membership
- 3) Recognition at the General Membership Meeting at the 15ICP

Nominations must be written by an IAP member in good standing and should contain information on the nominees including the following points to be evaluated in order of decreasing importance:

Scientific merits	Qualitative (importance of knowledge generated on Map-related issues)
	Quantitative (number of papers produced, years working on paratuberculosis)
Responsibilities	National (positions held, advisory committees, researcher training, services provided, meetings organized, etc.)
	International (positions held, advisory committees, researcher training, services provided, meetings organized, etc.)
IAP involvement	National representation, offices held, colloquia organization, newsletter contributions, etc.
Other	Other merits not specified above

Nominations should be sent by e-mail to the Secretary-Treasurer of the IAP (rsweeney@vet.upenn.edu), and must include a letter containing all the information necessary for evaluation of the nominee as stated above. This document shall be an attached Word or Adobe pdf file blocked for changes. The IAP Member Support and Recognition Committee will evaluate the applications in the name of the IAP and its decisions are final.

Timetable:

Deadline for nominations: January 15, 2020
 Announcement of awards: February 28, 2020

Richard Merkal Memorial Fellowship

The Association will provide funding for the participation of graduate students to attend each Colloquium of the Association. Selection will be based on potential for future contributions to the field and scientific merit of a submitted abstract. Funding will include air fare, lodging, general registration and a per diem for meals. All applicants must be members of the Association or sponsored by a member of the Association. The fellowships will not be open to applicants having residence in the same country in which the Colloquium is being held.

Award contents:

Each fellowship will include:

- 1) free full registration for the 15 ICP
- 2) Reimbursement for travel and lodging expenses, and a per diem for meals. (Maximum reimbursement not to exceed US\$2000.)
- 3) Recognition at the ICP and acceptance of the abstract for an oral presentation in the appropriate session

Timetable:

Deadline for applications: January 15, 2020
Announcement of awards: February 28, 2020

Application for Richard Merkal Fellowship to attend the 15th International Colloquium on Paratuberculosis (15ICP) in Dublin, Ireland, June 14-18 2020

Name:

Educational Qualifications:

Current affiliation:

Institution:

Country:

Group leader:

Publications in Paratuberculosis Research:

Abstract of intended presentation:

STATEMENT OF PURPOSE (2 page limit) AND IMPORTANCE OF RESULTS TO BE PRESENTED

Applications should be sent by e-mail addressed to the Secretary-Treasurer of the IAP (rsweeney@vet.upenn.edu), and must include the completed forms provided in the call for applications as an attached Word or Adobe pdf file blocked for changes. The IAP Member Support and Recognition Committee will evaluate the applications in the name of the IAP and its decisions are final.

Helping Hand Fellowships

The Association, based on the availability of funds and as determined by the Governing Board, will provide funding for individuals from lower income countries to participate in each Colloquium of The Association. Selection of these individuals will be based on the economic status of the individual's country of origin, a written statement of interest in paratuberculosis, potential for future contributions to the field, and scientific merit of a submitted abstract if one has been submitted (abstract submission is not required).

Program specifications:

Each award will include:

- 1) free full registration for the 15 ICP
- 2) free IAP membership for 2020 and 2021
- 3) US\$1000 stipend for travel expenses (payable at the conclusion of the 15 ICP)
- 4) Recognition at the General Membership Meeting at the 15ICP

Timetable:

Deadline for applications: January 15, 2020
Announcement of awards: February 28, 2020

Criteria (listed in order of decreasing importance):

1.- Country of origin: Strong preference will be given to applicants currently residing in countries not considered “high income” based on the website of the World Bank (<https://openknowledge.worldbank.org/handle/10986/23628>). Applicants originally from countries not considered “high income” but currently residing in “high income” countries will be considered only in the case that there were not enough candidates from the first category.

2.- Statement of purpose (2-page limit): The applicant must provide a written statement (in English) explaining their interest and experience in paratuberculosis, what they know of the paratuberculosis situation in their country, and why they would like to attend the 15 ICP.

3.- 15 ICP abstract: An abstract for a presentation at the 15 ICP concerning any aspect of paratuberculosis is mandatory for applicants from countries that have already received two or more HH awards during the last 5-year period. For applicants from other countries, an abstract would be positively considered but is not mandatory.

4.- Applicant status: Applicants may or not be members of the IAP.

5.- Young researchers are encouraged to apply and will be prioritized. Senior candidates will be considered only if there are not enough qualified junior applicants.

6.- Repeat awards: The number of times that the same person can receive an HH award is 3 in order to reach a broader range of researchers. In case of a tie, applicants that have already received an H&H award will have lower priority than those not having received any.

7.- Number of awards per country: No more than 2 awards will go to the same country while there are applicants from countries with fewer than that number of applications.

8.- Number of awards to the same group/institution: Priority will be given to members of different groups. No more than 2 awards will go to the members of the same research group while there are applicants from other groups.

Application for Helping Hand Fellowship to attend 15th International Colloquium on Paratuberculosis (15ICP) in Dublin, Ireland, 2020

Name:

Country of origin:

Date of Birth:

Educational Qualification:

Current affiliation:

 Institution:

 Country:

 Group leader:

Ph.D Thesis Title (if applicable):

Area of Paratuberculosis Research:

Publications in Paratuberculosis Research:

STATEMENT OF PURPOSE (2 page limit)

ABSTRACT (optional)

Applications should be sent by e-mail addressed to the Secretary-Treasurer of the IAP (rsweeney@vet.upenn.edu), and must include the filled in forms provided in the call as an attached Word or Adobe pdf file blocked for changes. The IAP Member Support and Recognition Committee will evaluate the applications in the name of the IAP and its decisions are final.

Equity and Access Guidelines

The IAP Governing Board approved a proposal entitled *IAP Equity and Access Guidelines*. Adoption of these guidelines required a vote of approval from a majority of the IAP Membership. Due to low voter turnout, a second window of opportunity was opened for continued voting by members on the policy. This increased membership participation in the voting to 67% of members casting a vote.

There are 171 members of the IAP. Thus in order to achieve approval of a majority of the members, 86 votes for approval would be required.

The results of the balloting are:

Voting "yes" to approve guidelines: 81

Voting "no" against guidelines: 33

Members abstaining: 0

Thus, the proposal to adopt the guidelines did not receive a vote of approval from the majority of members and are not adopted.

15th International Colloquium for Paratuberculosis

Registration deadlines

Registration opens: **29th November 2019**
 Early Registration deadline: **To be confirmed**
 Online Registration closes: **5th June 2020**

Registration fees

	Early Bird	Standard	On-site
Member	€495	€595	€695
Non Member	€595	€695	€795
Student/Low to Middle Income Country*	€395	€450	€495

*see <https://www.icpdublin.com/registration> for specific details

Additional fees

Excursion to Orchard Centre on Tuesday 16th June 2020: €40 per person.

Gala Dinner in Law Society of Ireland on the Wednesday 17th June: €50 per person.

The registration fee includes:

- Admission to all session and the exhibition Conference materials
- Tea, coffee and lunches throughout the conference
- Admission to the Welcome Reception in EPIC Immigration Museum on Sunday the 14th June 2020

Accompanying person

An accompanying person ticket is €100. This will include:

- Tea, coffee and lunches throughout the conference
- Admission to the Welcome Reception in EPIC Immigration Museum on Sunday the 14th June 2020 (worth €70).

Updates can also be found at:



[@para_tb2020](https://twitter.com/para_tb2020)



[paratb2020](https://www.facebook.com/paratb2020)

Paratuberculosis News

Penn Today describes new technology under development by Assoc. Prof. Marie-Eve Fecteau and Prof. Ray Sweeney for stall-side diagnosis of paratuberculosis

<https://penntoday.upenn.edu/news/these-overlooked-global-diseases-take-turn-under-microscope>

Healio Gastroenterology and Liver Disease's top five stories posted in October included information on the use of an oral antibiotic targeting MAP as a treatment for Crohn's disease.

<https://www.healio.com/gastroenterology/esophagus/news/online/%7B3a142a85-b55c-4f47-a1b1-ad91b735a521%7D/top-5-stories-you-may-have-missed-in-october>

Upcoming events

- [15th ICP](#) on 13-18 June 2020 in Dublin, Ireland



- [7th International Conference on *Mycobacterium bovis*](#)



- 16th ICP in 2022 Jaipur, India

Have you attended a conference recently where there were presentations related to paratuberculosis? Email editor@paratuberculosis.net to share this information

Recent publications (October 2019-December 2019)

Alonso-Hearn, M., Canive, M., Blanco-Vazquez, C., Torremocha, R., Balseiro, A., Amado, J., Varela-Martinez, E., Ramos, R., Jugo, B.M., Casais, R., 2019. RNA-Seq analysis of ileocecal valve and peripheral blood from Holstein cattle infected with *Mycobacterium avium* subsp. paratuberculosis revealed dysregulation of the CXCL8/IL8 signaling pathway. *Sci Rep* 9, 14845-14845.

Bannantine, J.P., Wadhwa, A., Stabel, J.R., Eda, S., 2019. Characterization of Ethanol Extracted Cell Wall Components of *Mycobacterium avium* Subsp. paratuberculosis. *Vet Sci* 6, E88.

Bo, M., Arru, G., Niegowska, M., Erre, G.L., Manchia, P.A., Sechi, L.A., 2019. Association between Lipoprotein Levels and Humoral Reactivity to *Mycobacterium avium* subsp. paratuberculosis in Multiple Sclerosis, Type 1 Diabetes Mellitus and Rheumatoid Arthritis. *Microorganisms* 7, 423.

Chamchoy, T., Williams, D.R., Adaska, J.M., Anderson, R.J., Aly, S.S., 2019. Environmental sampling to assess the bioburden of *Mycobacterium avium* subspecies paratuberculosis in drylot pens on California dairies. *PeerJ* 7, e8081-e8081.

Charlton, G.L., Bleach, E.C.L., Rutter, S.M., 2019. Cows with paratuberculosis (Johne's disease) alter their lying behavior around peak lactation. *J Dairy Sci* 102, 11328-11336.

Cochard, T., Branger, M., Supply, P., Sreevatsan, S., Biet, F., 2019. MAC-INMV-SSR: a web application dedicated to genotyping members of Mycobacterium avium complex (MAC) including Mycobacterium avium subsp. paratuberculosis strains. *Infect Genet Evol* 77, 104075-104075.

DeKuiper, J.L., Coussens, P.M., 2019a. Inflammatory Th17 responses to infection with Mycobacterium avium subspecies paratuberculosis (MAP) in cattle and their potential role in development of Johne's disease. *Vet Immunol Immunopathol* 218, 109954-109954.

DeKuiper, J.L., Coussens, P.M., 2019b. Mycobacterium avium sp. paratuberculosis (MAP) induces IL-17a production in bovine peripheral blood mononuclear cells (PBMCs) and enhances IL-23R expression in vivo and in-vitro. *Vet Immunol Immunopathol* 218, 109952-109952.

Dow, C.T., Sechi, L.A., 2019. Cows Get Crohn's Disease and They're Giving Us Diabetes. *Microorganisms* 7, 466.

Koets, A.P., van den Esker, M.H., Riepema, K., Bakker, D., 2019. The Role of Phosphatidylinositol Mannosides in the Serological Diagnosis of Mycobacterial Infections. *Vet Sci* 6, E91.

Li, L., Bannantine, J.P., Campo, J.J., Randall, A., Grohn, Y.T., Schilling, M.A., Katani, R., Radzio-Basu, J., Easterling, L., Kapur, V., 2019. Identification of Sero-Diagnostic Antigens for the Early Diagnosis of Johne's Disease using MAP Protein Microarrays. *Sci Rep* 9, 17573-17573.

Ly, A., Dhand, N.K., Sergeant, E.S.G., Marsh, I., Plain, K.M., 2019. Determining an optimal pool size for testing beef herds for Johne's disease in Australia. *PLoS One* 14, e0225524-e0225524.

Mathie, H.A., Jensen, K., Stevens, J.M., Glass, E.J., Hope, J.C., 2019. Quantifying Mycobacterium avium subspecies paratuberculosis infection of bovine monocyte derived macrophages by confocal microscopy. *J Microbiol Methods* 168, 105779-105779.

Reingewertz, T.H., Meyer, T., McIntosh, F., Sullivan, J., Meir, M., Chang, Y.-F., Behr, M.A., Barkan, D., 2019. Differential sensitivity of mycobacteria to isoniazid is related to differences in KatG-mediated enzymatic activation of the drug. *Antimicrob Agents Chemother*, AAC.01899-01819.

Rice, J.H., McDaniel, M.M., Holland, A., Eda, S., 2019. Modelling Bovine Granuloma Formation In Vitro upon Infection with Mycobacterium Avium Subspecies Paratuberculosis. *Vet Sci* 6, E80.

Stabel, J., Krueger, L., Jenvey, C., Wherry, T., Hostetter, J., Beitz, D., 2019. Influence of Colostrum and Vitamins A, D(3), and E on Early Intestinal Colonization of Neonatal Holstein Calves Infected with Mycobacterium avium subsp. paratuberculosis. *Vet Sci* 6, E93.

Stabel, J.R., Bannantine, J.P., 2019. Divergent Antigen-specific Cellular Immune Responses During Asymptomatic Subclinical and Clinical States of Disease in Cows Naturally Infected with Mycobacterium avium subsp. paratuberculosis. *Infect Immun*, IAI.00650-00619.

Deadline for next issue: 15 April 2020

All contributions should be sent to editor@paratuberculosis.net

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