

The Paratuberculosis Newsletter

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Professor John Hermon Taylor (1936 - 2021)

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Note from the Editor

Welcome to the January Newsletter. Most of the Covid Restrictions were lifted in Ireland last week and things are starting to get back to some semblance of normality.

We were delighted with the number of abstracts submitted and have put together a very good scientific programme. There are five plenary speakers (Marcel Behr, Kumi De Silva, Frank Griffin, Marian Price Carter and Herman Barkema)

There are six different sessions in the Scientific Programme:

1. Pathogenomics, Genotyping and Map diversity (10 Oral Presentations)
2. Control programmes and Education (8 Oral Presentations)
3. Diagnostics and detection (12 Oral Presentations)
4. Host response and immunology (10 Oral Presentations)
5. Epidemiology and Economics (10 Oral Presentations)
6. Public health and Map in the environment (8 Oral Presentations)

A new feature at this colloquium is that before each poster session, five poster presenters will give a 2 minute pitch to encourage people to view their poster and discuss their research further. There are a total of 84 posters.

The full programme will be available shortly on the website at
<https://www.icpdublin.com/programme>

The Early Registration deadline is 2nd March 2022 and is €100 cheaper than standard registration and €200 cheaper than Onsite Registration. For more detail on travelling to Ireland please visit the Irish Government website www.gov.ie

As I missed the meeting in Mexico, due to a clash of dates with another commitment, it has been six years since I have met up with my paratuberculosis friends and acquaintances and am looking forward to a great end of Covid celebration next June. We have put together a very good social programme and there will be as usual many impromptu meetings, dinners and outings arranged between old friends. If you haven't been before it is great opportunity to meet up with people working in the same field and we hope to have several social events organised targeted at graduate students.

We have a Facebook page at <https://www.facebook.com/paratb2022> and a Twitter page at <https://twitter.com/paratb2022>. Details of places to visit when you come to Ireland will be included on these pages as well as Breaking News about the Colloquium. Hope you can make it to Dublin and looking to making it a very enjoyable time for all the participants.

Included in this issue of the Newsletter are Request for bids for 17th International Colloquium on Paratuberculosis, more details about 15th International Colloquium for Paratuberculosis, Obituary for Prof John Hermon-Taylor, Publications of Prof John Hermon-Taylor, Expanding membership of IAP, Upcoming Events, Database of Paratuberculosis articles published in the last five years, List of Johne's websites and Recent publications to January 2022. The next newsletter will be published in April. If you have any interesting items, please send them to me at petermullooney29@gmail.com

Best wishes,

Peter Mullooney

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Cover Photograph: The late Professor John Hermon-Taylor (1936 – 2021) courtesy of Dr. Coad Thomas Dow.

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17th International Colloquium on Paratuberculosis

The IAP Governing Board requests bids to host the 17th International Colloquium on Paratuberculosis, to be held in 2026. Bids will be presented to the Governing Board at their meeting just prior to the 15th ICP in Dublin, Ireland on June 12, 2022.

Any member wishing to host the ICP in 2026, please notify the Secretary-Treasurer, Dr. Ray Sweeney, by email (rsweeney@vet.upenn.edu) before April 1, 2022. This initial letter of intent should indicate the proposed city for the meeting, the chair of the local organizing committee, and the name and contact information of the person who will present the formal bid at the Board meeting.

Additional details regarding format of a formal bid presentation will be provided to those choosing to present a bid.



15th International Colloquium for Paratuberculosis

12th – 16th June 2022

Céad Míle Fáilte
(one hundred thousand welcomes)



@paratb2022



paratb2022

The ICP 2022 Organising Committee invites you to the 15th IAP Colloquium in Dublin, Ireland in June 2022. Delegates attending the conference can be assured of a productive and memorable colloquium, discover Irish heritage, culture and music and of course, experience the world renowned hospitality of Ireland.

Ireland is Open for Visitors!!!!

Unprecedented efforts are under way to safeguard public health and limit the spread of COVID-19 on the island of Ireland. The ICP 2022 Organising Committee continues to monitor the situation closely and our **planning towards an in-person Colloquium in June 2022**.

From the 19th of July 2021, the Republic of Ireland is operating the EU Digital COVID Certificate (DCC) for travel originating within the EU/EEA. Ireland will also be welcoming visitors from Great Britain or North America who have valid proof of vaccination (with an EMA-approved vaccine) or have valid proof of recovery from COVID-19 in the last 180 days.

Before arriving in Ireland, you must complete a [Passenger Locator Form](#). The form will be checked before your departure to Ireland – by your airline or ferry company – and you may be asked to show your vaccination certificate. Upon arrival in Ireland, spot checks will be carried out on proof of vaccinations and/or negative RT-PCR tests.

For more detail on travelling to Ireland please visit the Irish Government website www.gov.ie

Registration Details

Registration is open: To register [click here](#)

Early Registration deadline: 2nd March 2022

Online Registration closes: 3rd June 2022

Registration fees

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

The registration fee includes:

- ❖ Admission to all sessions and the exhibition
- ❖ Conference materials
- ❖ Tea, coffee and lunches throughout the conference
- ❖ Admission to the Welcome Reception in EPIC Emigration Museum on Sunday the 12th June 2022

Accommodation

Please visit the conference website [here](#) for information on how to book the conference hotel, [Jury's Inn Christchurch](#) including rates per night, per room. Availability is limited and the conference rates only apply until the 26th April 2022 so we advise booking early.

Social Programme

Welcome Reception

Sunday, 12th June 2022 at 19.30

EPIC Irish Emigration Museum, CHQ Building



We have an immersive and unforgettable evening planned in EPIC, The Irish Emigration Museum. The influence the Irish have had around the globe is impressive. EPIC tells the dramatic story of the people who have left the island of Ireland, how these people spread around the globe and how they influenced and shaped the world. Attendance to welcome reception is included in your registration fee and includes a 45 minute guided tour of the museum along with canapes and a drinks reception.

Excursion to the Orchard Centre, Wicklow

Tuesday, 14th June 2022 at 13:00

€40 per person



The half day excursion to the Orchard Centre gives delegates the opportunity to learn more about the history and heritage of the Hayden Family farm, the production of Baileys and more! Places to be booked in advance of the conference through the registration link.

Gala Dinner

Wednesday, 15th June 2022 at 19:30

Law Society of Ireland, Blackhall Place

€50 per person



Delegates attending the Gala Dinner can be assured of an unforgettable evening of excellent food, fine wine, and an evening of cultural entertainment that only Dublin can offer! Tickets to be booked in advance of the conference through the registration link.

For more information visit www.ICPDublin.com

Please contact icp2022@abbey.ie if you have any questions

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Obituary for Prof John Hermon-Taylor



Professor John Hermon-Taylor has died on the day of his 85th birthday on 16th October 2021. A surgeon of reputable skill, a talented clinical researcher, and a succinct molecular scientist, he was Chairman of Surgery at St. George's Hospital, London. Combining these skills is an accomplishment enough but for Hermon-Taylor he used them to ground-breaking effect in better understanding and treating Crohn's Disease.

Crohn's Disease is a chronic, debilitating inflammatory bowel disease in humans that has exponentially risen across the world in all groups. Hermon-Taylor was profoundly affected by his patients accumulating on his surgical ward, who were all severely afflicted and suffered from severe abdominal pains, diarrhoea and weight loss in this time of limited medical treatments; often requiring surgery as their last resort. He resolved to solve the problem and improve patients lives.

From this, perhaps with serendipity from his previous research, he happened to come across a non-tuberculosis mycobacteria termed *Mycobacterium* subsp. *avium paratuberulosis* (MAP). It was through pursuing this organism and the observation that it causes a near-identical inflammatory enteritis in ruminants, Johne's Disease, that Hermon-Taylor doggedly persisted and created this new paradigm. 'If an organism is known to cause disease of the same nature in animals, why couldn't it do so similarly in humans?'. First described in 1913, Johne's has also risen exponentially across the world and is closely found-wanting with Crohn's Disease. Hermon-Taylor was a man who adapted to his time and embraced novel and exciting new technology and developments. He was one of the first to use PCR molecular testing for MAP and helped discovered the genetic signature of the organism, the IS900. However, not only being satisfied in discovering diagnostics and trying to prove causality, Hermon-Taylor also desired to create safe and beneficial treatments to help patients sooner. He created the first combination of 'anti-MAP' therapy using specific antibiotics already known to tuberculosis and leprosy and expertly and artfully applied them for Crohn's Disease. This

has helped hundreds of patients across the world. However, realizing the therapy did not cure or ameliorate MAP infection, Hermon-Taylor subsequently embraced the developing vaccine sector and created one of the first viral vectored vaccines for use in MAP. It worked brilliantly in a small pilot study of eradicating and clearing MAP-infected cattle and ameliorated their symptoms.

In person, he was a warm, charismatic man with a sharp wit and keen mind. He was able to engage in a relaxed manner and automatically put visitors at ease. He was comfortable in the laboratory environment and was a vociferous and voracious speaker. A force of nature, whose personality did not countenance the notion he had failed but rather that it was an opportunity to refine and improve his proposal.

John Hermon-Taylor was born on the 16th October 1936, the second of five children to a surgeon at St Bartholomew's Hospital, who produced the first flexible gastroscope for the treatment of peptic ulcers, and Maerie née Pearson, a medical secretary. As a small child, he was evacuated to Devon, whilst the Luftwaffe started the bombing of London during the Second World War. Educated at Belmont House preparatory school and then Harrow School, where he was a scholar and accomplished sportsman, he decided to follow in his father's footsteps and become a doctor.

Medical Career

Having achieved a degree in natural sciences, from St John's College, Cambridge in 1957, he stayed on to qualify as a doctor in 1960. As a registrar at the London Hospital he won the prestigious Hallett prize for attaining the highest surgical examination marks in the UK. In 1963, he obtained a fellowship from the Royal College of Surgeons and five years later travelled to the Mayo Clinic in Rochester, Minnesota on a Medical Research Council scholarship, where he met his future wife, the biologist Eleanor Phetplace. They married in 1971 and have two children, Amy and Peter.

Dr Gaurav Agrawal

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Expanding membership of IAP.

As of January 2022, there are 136 members of the International Association of Paratuberculosis from 29 different countries. There are 39 countries with a population greater than 25 million that do not have a member. You will note later in the newsletter a list of recent publications on Paratuberculosis. There are a total of 62 publications, 6 Canada, Italy; 5 China , Spain; 4 India, United States of America; 3 Argentina, Czech Republic; 2 Germany, Iran, Ireland, Netherlands and Portugal and one each from Colombia, Denmark, Egypt, France, Kazakhstan, Korea, Mexico, Pakistan, Poland, Republic of China, Saudi Arabia, South Africa, Sudan, Turkey, Uganda and United Kingdom one each. The authors of these articles will be written to inviting them to join if they are not already members and if they are from a country that does not have members asked to write a short paragraph for the next newsletter on the incidence of Johne's Disease and research carried out in their country. It would also be very helpful if each member could convince one of their co-workers to become a member of IAP.

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Upcoming Events

15th International Colloquium for Paratuberculosis

13th – 16th June 2022 Dublin, Ireland

Seventh International Conference on Mycobacterium bovis

7th - 10th June, 2022 Galway, Ireland

World Buiatrics Congress 2022

September 4th - 8th, 2022, Madrid, Spain.

16th International Symposium of Veterinary Epidemiology and Economics

August 7-12, 2022 in Halifax, Nova Scotia, Canada.

16th International Colloquium for Paratuberculosis

2024 Jaipur, India

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Database of Paratuberculosis articles published in the last five years

A searchable database of all the articles included in the Paratuberculosis Newsletter for the last five years is now available at <http://www.paratuberculosis.net/references.php>.

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List of Johne's websites

Below is a list of websites that give information about paratuberculosis in different countries. If your organisation has a website that you would like to see included please send details to petermullowney29@gmail.com

Argentina

- [Universidad Nacional de Mar Del Plata: Veterinary bacteriology research and diagnosis laboratory](#)

Australia

- [Animal Health Australia](#)
- [Australia and New Zealand Standard Diagnostic Procedures, April 2002](#)

Austria

- [Lymphatic fluid used for the first time to diagnose bovine paratuberculosis](#)

Belgium

- [Paratuberculosis control for milking herds](#)

Brazil

- [Animal Health Australia](#)

Canada

- [Johne's Education, Management and Assistance Program](#) (Ontario)
- [Beef Cattle Research Council](#)
- [Alberta Johne's Initiatives](#)
- [British Columbia Testing](#)
- [Canadian Johne's Disease Initiative](#)

Chile

- [Publications of Miguel Salgado](#)

Colombia

- [Universidad De Antioquia](#)

Czech Republic

- [Veterinary Research Institute](#)

Denmark

- [Statens Serum Institut](#)

France

- [World Organization for Animal Health \(O.I.E\)](#)
- [Bovine Paratuberculosis Control](#)
- [Biology, Epidemiology and Risk Analysis in animal health](#)

Germany

- [Frederic Loeffler Institute](#)

Greece

- [Department of Veterinary Medicine, University of Thessaly](#)

India

- [ICAR-Central Institute for Research on Goats](#)

Ireland

- [Animal Health Ireland](#)
- [Report of the Scientific Committee of the Food Safety Authority of Ireland \(2009\)](#)

Italy

- [Istituto Zooprofilattico Sperimentale della Lombardia](#)

Japan

- [National Institute of Animal Health \(NARO\)](#)

Mexico

- [Universidad Nacional Autonoma de Mexico](#)

Netherlands

- [VeeproHolland](#)
- [GD Animal Health](#)

New Zealand

- [Johne's Disease Research Consortium](#) (New Zealand)
- [New Zealand Deer Industry.](#)

Norway

- [Norwegian Veterinary Institute](#)

Panama

- [Indicisat](#)

Saudi Arabia

- [King Faisal University College of Veterinary Medicine](#)

Slovenia

- [Veterinary Faculty, National Veterinary Institute, Ljubljana](#)

Spain

- [produccionanimal.com Interview with Valentin Perez](#)
- [interview with Joseba Garrido, Director of the Animal Health Department of Neiker-Tecnalia](#)

Switzerland

- [Federal Food Safety and Veterinary Office](#)

Thailand

- [National Institute of Animal Health \(NIAH\)](#)

United Kingdom

- [National Johne's Management Plan \(NJMP\) \(U.K.\)](#)
- [National Animal Disease Information Service](#)
- [PBD Biotech](#)
- [Vetstream](#)
- [Kaz Strycharczyk, of Black Sheep Farm Health gives advice on Johne's in Farmer's Weekly](#)
- [Action Johnes](#)
- [Scottish Agricultural College](#)
- [My Healthy Herd](#)

United States

- [Johne's Information Center \(University of Wisconsin-Madison\)](#)
- [Human Paratuberculosis Foundation, Inc](#)
- [USDA Animal and Plant Inspection Service](#)
- [U.S. Voluntary Bovine Johne's Disease Control Program.](#)
- [The Mycobacterial Diseases of Animals \(MDA\) multi-state initiative \(U.S.A.\)](#)
- [Johne's on the Cattle Site](#)
- [Overview of Paratuberculosis By Michael T. Collins from Merck Manual](#)
- [Center for Food safety and Public Health \(Iowa State\)](#)
- [Hato Sano \(Colorado State\)](#)
- [The Cattle Site \(Some interesting videos on Johne's\)](#)

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Recent publications to January 2022

Most of these articles were published between September 2021 and January 2022.

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