

***CURRICULUM VITAE (updated 2015)Error! Bookmark not defined.***

***Dr. Isabel N. de Kantor, PhD.***

***Some of my most important accomplishments and involvement with WHO, IUATLD and other international agencies.***

- Head, PAHO/WHO Reference Laboratory for Mycobacteria (based in CEPANZO/ INPPAZ Buenos Aires), 1974-1997. Also OIE International Reference in Bovine tuberculosis, 1991-1997.
- WHO International Reference in quality control for BCG vaccine (WHO), 1985-1997, and in production and control of PPD (PAHO/WHO), 1976-1997.
- Director of 14 international courses on bacteriology of tuberculosis (PAHO/WHO) between 1979 and 1997.
- Member of the International Union Against Tuberculosis (IUATLD), member of its Committee on Animal TB, member and later chairperson of its Committee on Bacteriology and Immunology (1992-1995).
- Consultant in human and animal tuberculosis for WHO, FAO, PAHO/WHO in several countries in Latin America, Africa, Europe and Asia, 1997-2009.
- Member of the WHO Advisory Panel on Tuberculosis, (2001-2010).

**1. Complete Name and Personal data**

**ISABEL NARVAIZ de KANTOR**

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Nationality: Argentine.

Country of residence: Argentina.

**2. University Degrees**

Doctor in Biochemistry (PhD), University of Buenos Aires (UBA),1971.  
Master in Biochemistry, UBA, 1963.  
Pharmacologist (Master Degree), UBA, 1960.

**3. Postgraduate specialization. Research Fellowships and Courses**

-CONICET (National Council of Scientific Research), Postgraduate Internal Fellowship 1966-68, Department of Neumo- Phtisiology, School of Medicine, University of Buenos Aires.

-CONICET (National Council of Scientific Research), Postgraduate External Fellowship, **Pasteur Institute, France, 1968-1970. Subject: Medical Bacteriology, Mycobacteria.**

-WHO Research Visitor, Statens Serum Institute, Denmark, 1980, Subject: BCG Vaccine, Quality Control and Production.

-University of Buenos Aires, Department of Sciences, Postgraduate Course in Biostatistics, 2002-3.

#### **4. Positions**

**June 2001-June 2010:** Member of the WHO Advisory Panel on Tuberculosis.

**1997-2009:** Retired Member (Scientist, TB) PAHO/ WHO.

**1982-1997:** Pan American Health Organization (PAHO/WHO), Head, PAHO/ WHO Reference Laboratory for Mycobacteria.

**1991- 1997:** International Reference for Bovine Tuberculosis (OIE).

#### **Main activities after retirement**

*Short term consultant (STC) or temporary advisor (TA) for:*

#### **PAHO/WHO (Communicable Diseases)**

**Ecuador** (1998, Regional Meeting of TB Control Programmes), **Argentina** (1997, Regional Course on TB Laboratory Networks; 1997, International Evaluation of the TBCP; 1998 cooperation at INPPAZ/PAHO), **Mexico** (1997, 1998, Organization of the laboratory Network and INDRE International Meeting), **Peru** (1998, International Evaluation of the TBCP), **El Salvador** (1998, Regional Course on TB Laboratory Networks, PAHO/WHO), **Uruguay** (1998, Surveillance of Drug Resistance in TB). **Brazil**, 2004. Professor and Consultant in 3 Courses for TB Laboratory Network, on Management of the Laboratory Network. Fortaleza, Matto Grosso do Sur, Rio Grande do Sur.

#### **WHO (Global Fund)**

**Brazil**, June 2007: Standards for Quality Assurance in TB Laboratories. **Ecuador**, Sept. 2007. Course on Laboratory Management for TB Control Programmes (coordination)

#### **WHO (Vaccines and other Biologicals, V & B)**

WHO assessment system for BCG production and quality control, consultant in **Rouan, France** (1997), **Tokyo, Japan** (1997), **Sophia, Bulgaria** (1998), **Copenhagen, Denmark** (1998) and **Liverpool-London, UK** (1999).

#### **WHO and IUATLD consultant for**

Co-ordinating and lecturing in International Courses on Management of the TB Laboratory Network, **Addis Abbaba, Ethiopia** (1999), **Nicaragua** (1999), **Ottawa, Canada** (2000).

**FAO/ UN**, consultant on Bovine TB control and Eradication Program, **Tripoli, Libya**, (2000).

#### **WHO-World Bank**

Surveillance of drug resistance in TB, **Venezuela**, May and October 1998.

**Ministry of Health- Adolpho Lutz Institute, Sao Paulo, Brazil**

Quality Assurance System for TB Microscopy, Oct. 2001. Course on Management of the Laboratory Network, March 2002, and 2007.

**Case Western Reserve University (Cleveland, US)- Fogarty Foundation**

*First Course* on Laboratory Network for TB Microscopy, Kampala, **Uganda**, November 2001 (Co- direction). *Second Course*, May 2003 (Co-Direction).

**Partners in Health/ Harvard University/ Proyecto Vigía, Perú**

II Internacional Course on Mycobacteria: Biosafety, Quality Control and Advances in Laboratory Methods, Lima, **Peru**, November 2002.

**Ecuador**, consultant (Laboratory, NTP, **Canadian Lung Association**, August 2003)

**Nepal**, Professor, SAARC 1<sup>st</sup>.Course on Laboratory Management (TB), Dec. 2003 (**IHPCD, Health Canada**).

**2005-2008. Invited lecturer to:**

**2005.**

IV International Conference on *Mycobacterium bovis*. 22-26 August, 2005. Dublin, Ireland. Presentations on: An update on bovine TB programmes in Latin America and Caribbean countries. The importance of *M.bovis* as a zoonosis (With Charles Thoen and Philip Lo Bue)

**2006.**

37<sup>th</sup> Union World Conference on Lung Health, 31 October – 4 November 2006, Paris. Symposium on *M.bovis*. Presentation on *M. bovis* infection in humans in South and Central America.

Pan American Congress of Zoonosis. La Plata, Argentina, Sept. 2006.Coordination of Round Table and presentation on Bovine TB.

**2007.**

Workshop on Tuberculosis: Epidemiology and clinics of a Zoonotic disease. Instituto de Pesquisas Veterinárias Desidério Finamor, Porto Alegre, Brazil. October 2007.

**2008.**

III Latin American Congress of Zoonosis. Buenos Aires, 18-20 June 2008. Coordination and presentation in Round Table on Bovine TB. Coordination of Workshop on Bovine TB in Latin American Countries, sponsored by OIE (International Organization of Animal Health)

35<sup>o</sup> Conbravet – Congresso Brasileiro de Medicina Veterinária (35 Brazilian Congress of Veterinary Medicine), Gramados, Brazil, 19-24 October, 2008.

Lecture on *Situation of TB as a zoonosis in Latin America (and comparison with Europe)*

**2009**

Ecuador, consultant (Laboratory, NTP, Pan American Health Organization, August 2009)

**1982- to March 31, 1997 (retirement).**

Pan American Health Organization (PAHO/WHO), Biologist, P.04, in INPPAZ, Martinez, B.Aires, Argentina. Head, **PAHO/ WHO Reference Laboratory for Mycobacteria.**

Director of 10 PAHO/ WHO International Courses on TB Bacteriology and Management of Laboratory Networks ( TBCP) in Latin America and the Caribbean, from 1982 to 1997, with the participation of more some 150 trainees from National Central TB Laboratories.

**1972-1982.** Panamerican Zoonosis Center, (CEPANZO) PAHO/WHO. Head, TB Laboratory.

**1963-1971,** Senior Bacteriologist, TB Department, School of Medicine, University of Buenos Aires, and Senior Bacteriologist at Muñiz Hospital for Infectious Diseases, Buenos Aires.

### **5. Languages**

Spanish (mother language); English and French, good understanding of Portuguese language.

### **6. Membership in professional societies and activities in public and international affairs:**

International Union Against Tuberculosis and Lung Disease (IUATLD), member and Chairperson of the Committee on Bacteriology and Immunology.(1992-1995). Previously (1989-92) Secretary of this Committee.

Honorary Member, Committee on Animal TB, IUATLD, and former member of this Committee (1976-1988).

Member of Argentine Medical Association and the Argentine Association for Microbiology (Executive Committee).

Member of the Executive Board, AFICS (Association of Former UN Functionaries in Argentina) from 1999.

Member of the Editorial Board Direction and Secretary (from June 2002), Journal *MEDICINA (Bs Aires)*. This is a journal on bio-medical research published bi-monthly in Argentina, in Spanish and English, indexed in PUBMED.

### **7. Other relevant facts:**

#### **1976-1997.**

PAHO/WHO Consultant on TB in 20 countries of the Americas, in some of these countries in several occasions, between 1976 and 1997. WHO TB Consultant in Mauritania, 1988. Invited participant in some 50 International and National Congresses, Symposia and Meetings on TB).

#### **1997- 2014.**

Invited lecturer and participant in different scientific events related to TB in France, Belgium, USA, Canada, Singapore, Germany, Hungary, former Yugoslavia, Brazil, Argentina, Mexico, Chile, Paraguay, Peru, Venezuela, Ecuador, and Uruguay.

Advisor for CONICET and the University of Buenos Aires for evaluating research projects and performance of research program members (1997- 2000, 2001, 2003)

Invited Professor, for Master Degree on Molecular Microbiology, Subject: Quality Control of Microbiological Methods. National San Martin University, Argentina.

Advisor for Doctoral Projects. National University of Tandil (Centro), Buenos Aires Province, School of Veterinary.

#### **Other activities, 2009-14:**

International Peer Review Congress, BioMedical Journals, Vancouver Sept 9-12, 2009 (Member).

Honorary President, International Meeting on Mycobacteria, Rosario, Argentina, 5-8 Oct 2009

Lecturer on Mycobacteria and TB bacteriology and epidemiology, in several National or International Congresses and Conferences in Argentina (Microbiology Congress, 2013, Course on bovine TB, OIE/SENASA, 2013, Pan American Congress on Zoonoses, La Plata, 2014).

### **8. Scientific Publications**

Author or co-author in more than 100 articles in scientific journals, published between 1963 and 2009, concerning evaluation of diagnostic methods in TB, mycobacterial analysis, quality control of BCG and PPD products, assessment of the protection against TB conferred by BCG, surveys on drug resistance of *Mycobacterium tuberculosis*, bovine TB, and DNA fingerprinting of *M.tuberculosis* Complex.

#### **Relevant scientific publications are listed in Medline/pubmed.**

Here below are the only the most recent publications:

[\[Zoonotic tuberculosis in Argentina\]](#)

de Kantor IN, Torres PM, Morcillo N, Imaz MS, Sequeira MD.

Medicina (B Aires). 2012;72(6):514-20. Spanish.



[\[Diagnosis of latent tuberculosis infection in BCG-vaccinated subjects in China.\]](#)

de Kantor IN.

Int J Tuberc Lung Dis. 2011 Nov;15(11):1560-1; author reply 1561. doi: 10.5588/ijtld.11.0521. No abstract available.

PMID:

[\[Mycobacterium vaccae and tuberculosis\]](#)

Kantor IN.

Medicina (B Aires). 2011;71(2):189-90. Spanish. No abstract available.

[\[AIDS patient's long-term battle with multiply recurrent tuberculosis: reinfection or reactivation?\]](#)

Reniero A, Beltrán M, de Kantor IN, Ritacco V.

Rev Argent Microbiol. 2010 Oct-Dec;42(4):271-3. doi: 10.1590/S0325-75412010000400006.

[\[Tuberculosis in wild animals.\]](#)

Kaneene JB, Miller R, de Kantor IN, Thoen CO.

Int J Tuberc Lung Dis. 2010 Dec;14(12):1508-12. No abstract available.

PMID:

[Human tuberculosis caused by \*Mycobacterium bovis\* in the United States, Latin America and the Caribbean.](#)

de **Kantor IN**, LoBue PA, Thoen CO.

Int J Tuberc Lung Dis. 2010 Nov;14(11):1369-73.

[\[Pharmacogenomics and the path towards personalized medicine\].](#)

**Kantor IN**, Belloso WH.

Medicina (B Aires). 2010;70(5):482-4. Spanish. No abstract available.

[\[The seventieth anniversary of Medicina \(Buenos Aires\)\].](#)

**Kantor IN**, Kotsias BA.

Medicina (B Aires). 2010;70(1):1-2. Spanish.

[\[Is the tuberculin skin test still suitable to diagnose tuberculosis infection ?\].](#)

de **Kantor IN**, Ritacco V.

Medicina (B Aires). 2009;69(3):359-69. Spanish.

[Tuberculosis: a re-emerging disease in animals and humans.](#)

Thoen CO, Lobue PA, Enarson DA, Kaneene JB, de **Kantor IN**.

Vet Ital. 2009 Jan-Mar;45(1):135-81.

[Human \*Mycobacterium bovis\* infection in ten Latin American countries.](#)

de **Kantor IN**, Ambroggi M, Poggi S, Morcillo N, Da Silva Telles MA, Osório Ribeiro M, Garzón Torres MC, Llerena Polo C, Ribón W, García V, Kuffo D, Asencios L, Vásquez Campos LM, Rivas C, de Waard JH.

Tuberculosis (Edinb). 2008 Jul;88(4):358-65. doi: 10.1016/j.tube.2007.11.007. Epub 2008 Jan 8. Review.



[Susceptibility tests to second line drugs and re-treatment of tuberculosis revisiting early experiences.](#)

de **Kantor IN**, Barrera L.

Medicina (B Aires). 2007;67(3):231-7.

[Simultaneous detection of \*Mycobacterium bovis\* and \*Mycobacterium tuberculosis\* in human cerebrospinal fluid.](#)

Ritacco V, de **Kantor IN**.

J Clin Microbiol. 2007 Feb;45(2):684. No abstract available.

## 2006:

Thoen Ch, LoBue P, de Kantor IN. The Importance of *Mycobacterium bovis* as a Zoonosis Vet Microbiol. 112(2006) 339-345.

de Kantor IN, Ritacco V. An update on bovine tuberculosis programmes in Latin American and Caribbean countries. Vet Microbiol. 112 (2006) 111-118.

Validation of a rapid method for the detection of mycobacterium tuberculosis resistance to isoniazid and rifampin in Lima, Peru (Correspondence). IN de Kantor. Int J Tuberc Lung Dis 2006 Jun;10(6):707 .

de Kantor IN. M.bovis infection in humans in South and Central America. IJTLD 2006; 10 (Suppl 1): S10-11

## Contributions for Books (chapters) published between 1997 and 2014

[Zoonotic Tuberculosis. Third Edition. 2014. Editors: Thoen Ch, Steele J, Kaneene JB. Published by Wiley-Blackwell, USA. Chapter 4: \*Mycobacterium bovis\* infection in humans](#)

and animals with an emphasis on countries in Central and South America. *Isabel N. de Kantor et al*; p.35-50.

*Tuberculosis: A Comprehensive International Approach*, 3rd edition. Taylor and Francis (T&F). Ed. M. Raviglione. Chapter 18. The laboratory network in tuberculosis control in high prevalence countries. A. Laszlo, I.N. de Kantor, R. Urbanczik, 2006

*Mycobacterium bovis* infection in Animals and Humans. Edited by Ch. O.Thoen, James H. Steele and M.J. Gilsdorf. (2<sup>nd</sup>. Ed) Blackwell Publishing, Ames, Iowa, 2006. Chapter 3, p13-17. Chapter 16, p 149-160.

*Temas de Microbiología Veterinaria*. Ed. N.O.Stanchi, P.E. Martino, E.Gentilini, E.H. Reinoso, E.Penimpepe. Ed.SUR, B.Aires, 1996. Parte II. Bacteriología, Familia Mycobacteriaceae (I.N. Kantor). Second Ed. 2004.

*Microbiología Veterinaria*. Ed. N.O. Stanchi, P.E. Martino, E. Gentilini, E.H. Reinoso, M.G. Echeverría, N.A. Leardini, J.A. Copes. Buenos Aires: Inter-Médica, 2007. Capítulo 41, p. 300-6. Micobacterias.

*Temas de Zoonosis II*. 2004. Ed. Asociación Argentina de Zoonosis. Cap.30, p 220-7.

*Temas de Zoonosis III*. 2006. Ed. Asociación Argentina de Zoonosis. Cap. 26, p 227-31; Cap. 27, p. 232-7.

*Temas de Zoonosis IV*. 2008. Ed. Asociación Argentina de Zoonosis. Cap 33, Cap 34, p 309-16; p 317-22.

*Mycobacteria*, Vol.I Basic Aspects. Editors R.Gangadharam and P.Jenkins, Chapman and Hall Ed. N.York, 1997. Chapter on Diagnostic Methods for developing countries (I.N.de Kantor and A.Laszlo).

Zoonotic Tuberculosis. Third Edition. Edited by Ch.O.Thoen; J.H.Steele, J.B.Kaneene. Iowa: Wiley Blackwell, 2014. Chapter 4: Mycobacterium bovis infection in humans and animals with emphasis on countries in Central and Sputh America. Authors: Isabel N. de Kantor, et al.

### **Manuals and Guidelines (1997-2002)**

- Grange JM, Yates MD, **Kantor IN** . Guidelines for speciation within the *Mycobacterium tuberculosis* Complex. Second Ed. WHO, Doc. WHO/EMC/Zoo/96.4, Geneva, 1997. 20 pp.

. WHO Laboratory Services in Tuberculosis Control Technical Series: I.Microscopy, II Culture, III: Management Series. Editorial Board Member. Geneva, 1999. 200 pp

. OIE Information sheet for Bovine Tuberculosis, published in OIE Manual of Standards, 1998-99.

. SOP (Standard Operation Procedures) TB Central Laboratory for bovine TB, Lybia, 2000.(co-author)

- Chonde T, Cruz R, **de Kantor I**, Jain NX, Laszlo A, Latini O, Urbanczik R, Wright P. Management of Tuberculosis Laboratory Networks in Low-Income Countries. IUATLD, WHO, Health Canada, Ottawa, 2000. Published in CD : Tuberculosis Documentation for Health Care Professionals, IUATLD, 2001.

### **9. Scientific Awards**

\* Best Research Work, II National Meeting, Argentine Association for Microbiology, 1972.

\*Tornu Award in Tuberculosis, National Academy of Medicine, Argentina, 1990.

\* Best Research Work, Panamerican Congress of Phtisiology and Pneumonology, Asunción, Abril 1996 ( National Academy of Medicine, Uruguay)

\* Montes de Oca Award, National Academy of Medicine, Argentina, November 1996.

\* Argentine Association for Microbiology Award, 2004

\* Ministry of Public Health, Argentina. In gratitude to the work and trajectory in the fight against Tuberculosis (Plaque, 24 March **2009**).

\* Honorary Achievement Award, American Veterinary Epidemiological Society, San Diego, Calif., August 5, **2012**.

#### **10. Direction and co- direction of Thesis for Doctoral Degrees in Medicine, Veterinary Medicine and Microbiology**

1993. Viviana Ritacco, MD, PhD, University of Buenos Aires (UBA);

1994. Celia Antognoli, Master in Veterinary Sciences, UBA;

1996. Nora Morcillo, PhD, UBA;

1997-8. Ana Reniero, PhD, UBA.

2001. Member of the Jury for Master Degrees in Microbiology ( University of South, Argentina) and in Molecular Biology (University of Gral San Martín, Argentina).

2002. Member of the Jury for Doctor degree in Veterinary Sciences, Andrés Pérez, DVM, UBA.

2006-2008. Consultant, Master Degrees School of Veterinary, Universidad Nacional del Centro, Tandil, Prov. Buenos Aires.

2014. Member of the Jury, Thesis Doctor in Animal Sciences, María Julia Traversa, Universidad Nacional del Centro, Tandil, Prov. Buenos Aires.

2014. Member of the Jury, for Master Degree in Molecular Microbiology, Johanna Monteserin (University of Gral San Martin, Argentina).

2014. Member of the Jury, Thesis Doctor in Animal Sciences, Karina Cirone, Universidad Nacional del Centro, Tandil, Prov. Buenos Aires.

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**Reviewer** for Int J Tuberc Lung Dis, Panam J Public Health, Bull WHO, Medicina (B.Aires), Rev Pan Am Salud Publ., BMC, Mem O.Cruz, Vet Microb, among others.

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