

Miriam (Isolde) Ben Hirsch-Gornemann, M.D., Ph.D., M.P.H.

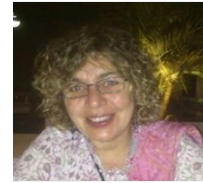
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Scientific names: Gornemann M, Gornemann Isolde, Gornemann MI, Miriam Ben Hirsch-Gornemann



EDUCATION

Ph.D. in Medicine and Surgery [Psychiatric Epidemiology].

University of Granada School of Medicine, Department of Legal Medicine, Toxicology and Psychiatry, Spain. 2002.

Prevalence of psychiatric disorders in the population of Andalucía. (Summa cum Laude).

Homologated by the Ministry of Education, Israel on Dec 18, 2013, No. 357128

Master in Public Health (M.P.H.).

Boston University School of Medicine and School of Public Health. Boston, Massachusetts, U.S.A. 1990

Homologated by the Ministry of Education, Israel on Dec 9, 2013, No. 357027

Medical Doctor (M.D.)

School of Medicine. Universidad Autónoma of Madrid. Spain. 1985

Homologated by the Ministry of Education, Israel on Dec 9, 2013, No. 357026

PROFESSIONAL EXPERIENCE

Senior Consultant at Nereus Innovation Ltd. 2020-present. EIC accelerator program and Horizon Europe. Areas: Medicine, Biotechnology, Agriculture, Recycling technologies, Automotive, Sensors, Industry among others.

Chief Scientific Officer – Medical. Wanka Tanka Ltd. (July 2022-2024).

Chief Scientific Officer - Medical. SensPD, Ltd. (April 2021 – August 2021)

Freelance Consultant in Medicine and Technology. Scientific Writer 2020-present

Trustee and Head of Research and Evaluation. Heads Up CIO. Registered Charity organization for the Education, Prevention and Treatment of Psychological Trauma related to terrorism and disaster, Manchester, UK. **Dec 2016-2022.**

Senior Scientist. Ayala Water & Ecology, Ltd. Israel. 2018-2020.

Expert Evaluator. Horizon 2020 – Horizon Europe. European Commission 2012-present.

Scientific consultant. Tel Hai Academic College. Qiryat Shemona, Israel. 2017- 2018.

Senior Researcher. Center for Community Mental Health, Research, Practice and Policy. Faculty of Social Welfare and Health Sciences. University of Haifa, Israel. 2014-2016

Freelance Consultant and Grant writer. Research on Health. - European Commission 7th Framework Program – Horizon 2020. 2009-2014.

Senior Scientist. International Department. The Foundation for e-Health, (FeSalud). Malaga, Spain. 2011- 2012.

Associate Professor. Training Program for Medical Interns. Andalusian Health Services. Government of Andalusia (Spain). 2009-2012.

Associate Professor. Doctoral program in Psychiatry and Psychotherapy. 2007-2009. University of Malaga, Spain. 2008.

Senior Scientist & Coordinator for Research Grants. Vivia Biotech S.L., Spain. 2007- 2009

Coordinator for associates and stakeholders. Andalusian Network for Technology Development and Promotion (RETA). Malaga, Spain. 2007.

Director of Research. Mediterranean Institute for the Advance of Biotechnology and Health Research (IMABIS Foundation) Regional University Hospital “Carlos Haya”, Malaga, Spain. 2003-2007.

Description of position

Objective: To promote, support and develop research activities in all associated institutions (Regional University Hospitals; the University of Malaga, the Technological Park; and all the Health Districts.

Mission: To identify research needs; promote research; consolidate established research groups; create new research groups, support R&D activities and improve funding for R&D.

Specific objectives:

- Identify research needs and barriers to research among professionals
- Improve access and consecution of funding to the institutions’ needs (resources) and to researchers, matching funding opportunities with research interests, promoting research team building and international connections and providing support for grant writing
- Supporting dissemination of research results, improving quality and quantity of scientific publications.

Results between 2001 and 2007:

- Number of research projects that applied for funding increased 15 times.
- Number of funded projects increased 5 times yearly including international projects.
- Total number of active projects increased almost 13 times.
- Number of newly incorporated researchers: 300.
- Similar results were obtained for the amount and quality of scientific publications.
- The amount of research funds obtained reached 15 million € at the end of 2006.

This effort positioned the Foundation IMABIS among the first seven research institutions at the national level.

Expert Evaluator. Health Sciences. Health Council. Government of Andalusia, Spain. 2006.

Member. Ethics Committee (IRB) for research, Hospital Carlos Haya, Malaga, Spain. 2004-2006

Member. Ethics Committee (IRB) for clinical essays, Hospital Carlos Haya, Malaga, Spain. 2002-2005

Clinical Epidemiologist & Research Coordinator. Foundation Regional University Hospital “Carlos Haya”, Spain. 1999-2003.

Technical Advisor and Senior Researcher. Andalusian School of Public Health. Granada, Spain. 1996-1999.

Technical Coordination and Preparation of the Health Plan for the City of Huelva. Municipality of Huelva. Huelva, Andalusian School of Public Health, Spain. 1995-1996

Assistant Professor. Department of Social and Behavioral Sciences. Boston University School of Medicine and School of Public

Health, Boston, Massachusetts, USA. 1992-1995.

Expert evaluator and Review Committee Member. Grants and Contracts. Center for Substance Abuse Prevention (CSAP). National Institute Mental Health - National Institutes of Health (NIMH-NIH). USA. 1992-1995.

Expert Evaluator for Contracts and Projects. National Clearinghouse for Alcohol and Drug Information. RFP-277-94-4010. Department of Health and Human Services. Alcohol Drug Abuse and Mental Health Administration. USA. 1994.

Technical Assistance Services to States. CSAP. National Institute Mental Health - National Institutes of Health (NIMH-NIH). USA. 1992-1995.

Research Fellow. The Medical Foundation King Trust, Boston, Massachusetts, USA. 1992-1994.

Technical Assistance Services to Communities. The Border Substance Abuse Prevention Planning Meeting. Border Health Coordination. Edinburg, Texas. Center for Substance Abuse Prevention. National Institutes of Health (NIMH-NIH). USA. 1991

Research Associate. Department of Social and Behavioral Sciences. Boston University School of Public Health, Boston, Massachusetts, USA. 1990-1992.

Research Project Director. Department of Pediatrics. Boston University School of Public Health, Boston, Massachusetts, USA. 1988-1990.

Research Assistant. Department of Pediatrics (Boston City Hospital). Urology Department. Boston University School of Medicine. Boston, Massachusetts, USA. 1986-1988

PUBLICATIONS

Leighton, Adam & Haim, Dotan & Rolnick, Arnon & Ben Hirsch-Gornemann, Miriam. (2023). The ACT-GRO Framework -an integrated conceptual and practical framework. 9IATC / 3GATE | SPECIAL EDITION. International Journal of Adventure Therapy | Volume 1, 2023 (in press) [10.31219/osf.io/b9vwn](https://doi.org/10.31219/osf.io/b9vwn).

Gelabert, E., Gutierrez-Zotes, A., Navines, R. et al. The role of personality dimensions, depressive symptoms and other psychosocial variables in predicting postpartum suicidal ideation: a cohort study. Arch Womens Ment Health 23, 585–593 (2020). <https://doi.org/10.1007/s00737-019-01007-w>

Imaz, M. [et al.]. Substance use during pregnancy and personality dimensions. [Consumo de sustancias durante el embarazo y dimensiones de personalidad]. "Adicciones", 2 Diciembre 2020, vol. XX, núm. X, p. 1-11
. <http://dx.doi.org/10.20882/adicciones.1433>

Eli Cohen, M.Sc., Miriam Ben Hirsch-Gornemann, MD, MPH, PhD, Ezra Orlofsky PhD, Sergio Contreras, PhD. Testing Plan and Results. The Portable Natural Biological System by Ayala Water & Ecology. Technical Report to the EC, under the BRIGAD project (Grant Agreement 700699). November, 2018.

Gutiérrez Zotes, A., et al. (2018). Factor Structure of the Spanish Version of the Edinburgh Postnatal Depression Scale *Actas Españolas de Psiquiatría*, 46(5), 174-182. <https://www.ncbi.nlm.nih.gov/pubmed/30338774?report=abstract>

Farchi M., et al. (2018). The SIX Cs model for Immediate Cognitive Psychological First Aid: From Helplessness to Active Efficient Coping. *Int J Emerg Ment Health*, 20(2), 395-407. doi:10.4172/1522-4821.1000395. <https://www.omicsonline.org/author-profile/miriam-ben-hirschgornemann-297090/>

Roe D, et al. (2016). Reasons for and experiences of people with serious mental illness who discontinued a manualized group intervention before completion. *Psychiatric Services* 67:1043. <http://ps.psychiatryonline.org/doi/pdf/10.1176/appi.ps.201600172>

Roe D, et al. (2016). Using Routine Outcome Measures to Provide Feedback at the Service Agency Level. *Community Mental Health Journal*, 52(8); 1022-1032. <http://www.ncbi.nlm.nih.gov/pubmed/27324903>

Gutiérrez-Zotes A. et al. (2016). Coping strategies for postpartum depression: a multi-centric study of 1626 women. *Arch Women's Ment Health*. Jun;19(3):455-61. <http://www.ncbi.nlm.nih.gov/pubmed/26399872>

Gutierrez-Zotes A, et al. (2015). Coping strategies and postpartum depressive symptoms: a structural equation modelling approach. *European Psychiatry*. Sep;30(6):701-8. <http://www.ncbi.nlm.nih.gov/pubmed/26141375>

Roe D, et al. (2015). Implementing routine outcome measurement in psychiatric rehabilitation services in Israel. *Int. Rev Psychiatry*. Apr 13:1-9. PubMed PMID: 25865480. <http://www.tandfonline.com/eprint/TVNRn7KzUnDvFqzmBATc/full>

Araos P, et al. (2014). Psychopathological Comorbidity in Cocaine users in Outpatient Treatment. [article in Spanish]. *Adicciones*; 26(1):15-26. <https://pubmed.ncbi.nlm.nih.gov/24652395/>

Pavón FJ, et al. (2013). Evaluation of plasma-free endocannabinoids and their congeners in abstinent cocaine addicts seeking outpatient treatment: impact of psychiatric co-morbidity. *Addict Biol*. 2013 Nov;18(6):955-69. doi: 10.1111/adb.12107. Epub 2013 Nov 14. <https://pubmed.ncbi.nlm.nih.gov/24283982/>

Martín-Santos R, et al. (2012). Research Letter: Is neuroticism a risk factor for postpartum depression? *Psychol Med*. 2012 Jul;42(7):1559-65. <http://www.ncbi.nlm.nih.gov/pubmed/22622082>

Bergero T, et al. (2012). The CSTM: an instrument for the evaluation of sexual behavior among transsexuals (article in Spanish). *INFOCOP 2012*. http://www.infocop.es/view_article.asp?id=3990&cat=38

Bergero T, et al. (2012). Development and validation of an instrument for evaluating transgender sexual behavior: The CSTM. [Article in Spanish]. *Revista de Psicopatología y Psicología Clínica*. 2012; vol 17 (1): 11-30. <http://www.aepcp.net/rppc.php?id=709>

Vilella E, et al. (2012). Employment during pregnancy protects against postpartum depression. In *Perinatal Depression*, Edited by María Graciela Rojas. InTech - Open Access Publisher 2012. DOI: 10.5772/1282. ISBN: 978-953-307-826-7, eBook (PDF) ISBN: 978-953-51-6706-8. <https://www.intechopen.com/books/perinatal-depression>

Calado M, et al. (2012). Brain damage and affective disorders: role for nursing in early diagnostics of stroke-associated anxiety and depression. *Brain Injury*; 2012; 26(4-5):473-473.

Tortajada S, et al. (2009). Prediction of Postpartum Depression using Multilayer Perceptrons and Pruning. *Methods Inf Med*. 2009;48(3):291-8. <http://www.ncbi.nlm.nih.gov/pubmed/19387507>

Moreno-Küstner B, et al. (2009). The Malaga Schizophrenia case-register (RESMA): overview of methodology and patient cohort. *Int. J. Social Psychiatry* 2009; 55(1): 5-15. <http://www.ncbi.nlm.nih.gov/pubmed/19129322>

Bennett, T A, et al. (2009). Screening Thousands of Drugs in Leukemia Patient Samples to Identify Novel Uses for Approved

Drugs. *Blood*, 114(22), 4414-4414. doi:10.1182/blood.V114.22.4414.4414.

<https://ashpublications.org/blood/article/114/22/4414/64206/Screening-Thousands-of-Drugs-in-Leukemia-Patient>

Bennett, TA, et al. (2009). Personalized Medicine Test of Multi-Drug Protocols Ex Vivo for Hematological Malignancies. *Blood*, 114(22), 2655. <https://ashpublications.org/blood/article/114/22/2655/63534/Personalized-Medicine-Test-of-Multi-Drug-Protocols>

Gratacòs M, et al. (2008). Identification of new putative susceptibility genes for several psychiatric disorders by association analysis of regulatory and non-synonymous snps of 306 genes involved in neurotransmission and neurodevelopment. *American Journal Of Medical Genetics Part B-Neuropsychiatric Genetics*, 2008. <http://dx.doi.org/10.1002/ajmq.b.30902>.

Sanjuan J, et al. (2008). Mood changes after delivery: role of polymorphic variations in the serotonin transporter gene. *British J Psychiatry* 2008; 193: 383-388. <http://www.ncbi.nlm.nih.gov/pubmed/18978318>

Bergero Miguel T, et al. (2008). A reflection about the concept of gender in transsexuality. [article in Spanish]. *Rev. Asociacion Esp. Neuropsiq.* 2008, vol XXVIII, n 101: 211-225. ISSN: 0211-5735.

Ferrer B, et al. (2007). Cannabinoid CB1 receptor antagonism markedly increases dopamine receptor-mediated stereotypes. *European Journal Pharmacology* 2007; 559:180-183. <http://www.ncbi.nlm.nih.gov/pubmed/17291487>

Rodríguez de Fonseca F, et al. (2005). Role of acylethanolamides in self administration of alcohol. [chapter in Spanish]. In: Red de Trastornos Adictivos. Memoria 2002-2004. Editors. Red RTA. Foundation IMABIS. Malaga 2005. (pages 36-45).

Carmona López G, et al. (2004). Mental Health Service Provision in Andalucía: Present and Future [Book in Spanish]/ Carmen Pérez Romero (Editor-Coordinator). -- Granada Escuela Andaluza de Salud Pública, ISBN 84-87385-78-8.

Bergero Miguel T, et al. (2004). Transsexuality: Multidisciplinary Health Services Provision. [article in Spanish] . *Revista de la Asociación Española de Neuropsiquiatría*, 2004; XXIV (89): 2827-2838.

Cano Oncala G, et al. (2004). The construction of gender identity in transsexual patients. [article in Spanish]. *Revista de la Asociación Española de Neuropsiquiatría*, 2004; XXIV (89): 2839-2848.

Gornemann I. Prevalence of psychiatric disorders in the population of Andalucía. Doctoral Dissertation. University of Granada, Spain December 2002.

Gálvez Romero C, et al. (2002). Prevalence and risk factor for pressure ulcers [article in Spanish]. *Aten Primaria*. 2002; 30 (6): 357-362. <http://www.ncbi.nlm.nih.gov/pubmed/12396941>

Gornemann I, Zunzunegui, MV. Increase in hospital services utilization by persons aged 55 years or older: population ageing and response of the health system. [article in Spanish]. *Gaceta Sanitaria*. 2002 Mar-Apr; 16(2): 156-159. <http://www.ncbi.nlm.nih.gov/pubmed/11958752>

Gornemann I, Ruiz Pérez I, March JC. Inequalities in Mental Health: Differential prevalence of mental disorders by gender in the population of Andalusia. [Spanish]. *Gaceta Sanitaria* 2001 vol 15 (supl. 2):34-35.

Bergero Miguel T, et al. (2001). Diagnostic evaluation and psychological follow up in the Gender Identity Disorders Unit of Andalusia (Malaga). [article in Spanish]. *Cirugía Plástica Ibero-Latinoamericana*. 2001, 27(4):263-272.

Luna-Moré S, et al. (2000). Importance of Oestrogen Receptors on the Behaviour of Invasive Micropapillary Carcinoma of the Breast. Review of sixty-eight cases with follow-up of fifty-four. *Pathology Research and Practice* 2000;196:35-40. <http://www.ncbi.nlm.nih.gov/pubmed/10674270>

Gornemann I, et al. (1999). Screening For Impaired Cognitive Function Among The Elderly In Spain: Reducing the number of items in the SPMSQ. *Psychiatry Research*. 1999 Dec 20;89(2):133-45. (1.55). <http://www.ncbi.nlm.nih.gov/pubmed/10646832>

Zunzunegui MV, et al. (1999). Depression as a predictor of cognitive impairment among the elderly, [article in Spanish]. *Revista Española de Geriatría y Gerontología*. 1999; 34(3): 125-134. <http://www.elsevier.es/es/revistas/revista-espa%C3%B1ola-geriatria-gerontologia-124/la-depresion-como-factor-predictor-deterioro-cognitivo-13006076-originales-1999>

Romero M, et al. (1999). Consistent Condom Use among Intravenous Drug Users and their Regular Partners [article in Spanish]. *Gaceta Sanitaria*. 1999; 13(2): 96-101. <http://www.ncbi.nlm.nih.gov/pubmed/10354529>

Gornemann I, et al. (1998). Concordance among screening tests for cognitive deficit among the elderly. [article in Spanish]. *Revista Española de Salud Pública*, 1998; vol 72: 43.

Svenson G, et al. (1998). European Guidelines for Youth AIDS Peer Education. (EUROPEER). European Commission, 1998. <https://healtheducationresources.unesco.org/library/documents/european-guidelines-youth-aids-peer-education>

Gornemann, I. Crossing borders: migration ethnicity and AIDS (book review). *European J Public Health*. 1997; 7(3): 351. doi:10.1093/eurpub/7.3.351. <https://academic.oup.com/eurpub/article/7/3/351/503387>

Soler P et al. (1996). AIDS related knowledge and attitudes among health sciences students and students from non-health related sciences, *European Psychiatry*; 11(4):331s-331s. <http://www.sciencedirect.com/science/article/pii/0924933896890353>

Bimbela Pedrola JL, et al. (1996). Health Plan for the City of Huelva (Spanish). Andalusian School of Public Health, Ed. EASP. 1996.

Amaro, H. and Gornemann, I. (1991). Health care utilization for sexually transmitted diseases: Influences of patient and provider characteristics. In Judith N. Wasserheit, Sevgi O. Aral, King K. Holmes, Penelope Hitchcock (Ed.) *Research Issues In Human Behavior and Sexually Transmitted Diseases in the AIDS Era*. Washington, D.C.: American Society of Microbiology. 1991. Pages 140-160. ISBN 1-55581-036-5 9781555810368

Anderson J, et al. (1991). Review of Recent Literature on the Behavioral and Psychosocial Aspect of HIV Disease. In J.R. Anderson, C.P. Landry, and J.L. Kerby (Eds.), AIDS abstract of psychological and behavioral literature 1983-1991 (3rd ed.), (pp.1-60). Washington: American Psychological Association. 1991. ISBN 978-1-55798-148-6

FUNDED RESEARCH PROJECTS (MY PROJECTS)

Polimer bracelets for the release of Iron. Israel Innovation Authority (No.: 01100956/78078). Associated researcher for Wanka Tanka, Ltd. Israel. Total: 600.000 €

M-NBS Smart, flexible, decentralized, water treatment. **SME Instrument phase I, European Commission** (No 854782). Associate Researcher for Ayala Water & Ecology, Israel. Total 50,000 €

Safety for elderly in mobile activities through sensor-based services for Ambient-assisted Living. Proposal acronym: **SALIG**.

AAL Joint Programme- European Commission. Coordinator: Stockholm University. PI for FeSalud (partner): Dr. Ben Hirsch-Gornemann. Partners: Philips Consumer Lifestyles PC, (NL); Almende (NL), HI Iberia, (ES), TU Delft TUD University (NL), FeSalud, (ES); Orbis, (NL); Actimage (LU); PIAP Institute (PL); TeliaSonera (SE). 2012. Total: 3,675,675 €

Communication and Dissemination Plan for the Spanish National Network of Addictive Disorders. National Network of Addictive Disorders. RETICS. **Ministry of Health**, Spain. National Coordinator: Dr. Fernando Rodriguez de Fonseca. 2012. PI: Dr. Ben Hirsch-Gornemann.

Adaptive embedded human interfaces designed for older people. **GoldUI. AAL Joint Programme- 2010-2013. European Commission.** Coordinator: Inmaculada Luengo. HI-IBERIA Ingenieria y Proyectos SL, Spain. Partners: XIM Ltd.(UK). Tiscali Italia S.P.A. (I). FeSalud. Dr. Ben Hirsch-Gornemann – Alicia Morales, (E).

Proteomics of Cocaine Addiction: Central and Peripheral Biomarkers of Addiction. **Ministry of Health and Social Policies.** Delegation for the National Plan on Drugs. Spain. PI: Dr. Rodriguez de Fonseca. AR: Dr. Ben Hirsch-Gornemann, Dr. Lucena, Dr. Campos, Dr. Romero, Dr. Orio. 2009-2011. € 98,000.

Search For New Therapeutic Agents Against Complicated Obesity By Reprofile Existing Drugs. REPROBESITY. Under the **7th FRAMEWORK PROGRAMME - FP7-HEALTH-2007-B. European Commission.** Project targeted to SME. (nº 223713). Coordinator: Dr. Rodriguez de Fonseca. FUNDACION IMABIS (E). Partners: Vivia Biotech Dr. INSERM (F) U. Bologna (I) U. Mainz (D), U. Santiago De Compostela (E). Associate Researcher for Vivia Biotech: Dr. Ben Hirsch-Gornemann. 2008-2011. € 5,399,412.

Citotoxic Efficacy of Drugs in Ex - vivo Samples for Hematologic Neoplasias. Science, Innovation and Enterprise Council. Government of Andalusia. **Ministry of Science and Technology, Government of Spain.** PI: Dr. Rodriguez de Fonseca, researchers: Dr. Orfao, U. of Salamanca, Dr. Jimenez, Dr. Barrios, Dr. Ruiz Nuño, Dr. Ortiz, Hematology Dpt. Hospital Carlos Haya. Dr. Bennett, Dr. Ben Hirsch-Gornemann, Dr. Ballesteros, Vivia Biotech S.L. 2007-2009. € 1,200,000.

Auditory Hallucinations in Psychosis as an Alternative Phenotype. **Ministry of Health, Spain.** (PI05/2427). PI: Dr. Mayoral. AR: Dr. Ben Hirsch-Gornemann. 2005-2008. € 32,130.

Follow up of a cohort of schizophrenic patients treated in a Mental Health Area of the Hospital Carlos Haya, Malaga, Spain. **Health Council of the Government of Andalucía, Spain.** (0353/05). PI: Dr. Mayoral. AR: Dr. Ben Hirsch-Gornemann, Dr. Moreno-Küstner. 2005-2007. € 10,750.

Genetic and environmental vulnerability to Post-Partum Depression. **Ministry of Health, Spain** (PI041758). PI: Dr. Ben Hirsch-Gornemann. AR: Drs. de Diego, Bergero, Mayoral, el Bekay. 2004-2007. € 23,000.

Study of the functional pathways in mental disorders. **Ministry of Health, Spain.** (PI051418). PI: Dr. de Diego. AR: Dr. El Bekay, Dr. Ben Hirsch-Gornemann, Dr. Mayoral, and Dr. Pérez Costillas. 2005-2006. € 41,769.

Factors associated with psychiatric comorbidity in the community. A study in the population of Andalusia, 18 years and older. **Ministry of Health, Spain.** (PI030022). PI: Dr. Ben Hirsch-Gornemann. AR: Drs. Jurado, Gurpegui, Pena. 2003-2005. € 10,350.

Psychiatric comorbidity in the population of Andalusia. **Health Council of the Government of Andalucía, Spain.** (103/02). PI: Dr. Ben Hirsch-Gornemann. 2002-2004. € 7,100.

Variability in the application of hospital proceedings of high complexity in the Andalusian population compared to other autonomous communities in Spain. **Health Council of the Government of Andalucía, Spain**. PI: Dr. Ordoñez. AR: Dr. Ben Hirsch-Gornemann. 2004-2006. € 9,000.

Predictors of high frequency of use of psychiatric units in the Autonomous Community of Andalusia: related to psychopathology or health service provision. **Health Council of the Government of Andalucía, Spain** (152/02). PI: Dr. Pena Andreu. AR: Dr. Ben Hirsch-Gornemann. 2002-2004.

Factors associated with quality of life among patients with Gender Identity Disorder: social inequalities, psychological comorbidity and evaluation of the treatment process. **Health Council of the Government of Andalucía, Spain**, (SAS 136). PI: Trinidad Bergero Miguel. AR: Dr. Ben Hirsch-Gornemann. 2001-2003.

Transsexuality in Andalusia: Psychiatric, endocrinological and surgical morbidity and evaluation of the therapeutic intervention process. **Ministry of Health, Spain**. (FIS, 01/0447). PI: Trinidad Bergero Miguel. AR: Dr. Ben Hirsch-Gornemann. 2000-2003.

EUROPEER: The European Joint Action Plan on AIDS Peer Education to Reach Young People in and outside the School System. Phase II. **European Commission, the Swedish National Institute of Public Health and the Dept of Community Medicine, Lund University**, Sweden. Principal Investigator (European Partner): Dr. Ben Hirsch-Gornemann. 1997-1998.

Increase in hospital service utilization by adults 55 years old and older: More beds or alternative services? **Health Council of the Government of Andalusia, Spain**. PI: Dr. Ben Hirsch-Gornemann. AR: Dr. Zunzunegui, Dr. Beland. 1997-1998.

Gender differences in psychiatric disorders in the Andalusian population 18 years old and older. Andalusian Institute for the Health of women – Andalusian School of Public Health - **Health Council of the Government of Andalucía, Spain**. PI: Dr. Ben Hirsch-Gornemann. 1998-1999.

Risk Reduction for HIV transmission and other negative outcomes of drug injection. **Health Council of the Government of Andalucía, Spain**. PI: Dr. Zunzunegui. AR: Dr. Ben Hirsch-Gornemann. 1997-998.

Cognitive Decline and Predictive Factors for Dementia in people 65 and older living in the community. First Award in Neurodegenerative Diseases Research. (97/105-00). **“La Caixa” Foundation, Barcelona, Spain**. PI: Dr. Zunzunegui AR: Dr. Ben Hirsch-Gornemann. 1997-1998.

Depressive Symptoms and Cognitive Decline in the Elderly. **Spanish Geriatric and Gerontological Society Research Award**. PI: Dr. Ben Hirsch-Gornemann. 1997.

EUROPEER: The European Joint Action Plan on AIDS Peer Education to Reach Young People in and outside the School System. Phase I. **European Commission, the Swedish National Institute of Public Health and the Dept of Community Medicine, Lund University**, Sweden. PI: Dr. Ben Hirsch-Gornemann. (Spain). 1996-1997.

Comprehensive Residential Drug Prevention and Treatment Project for Substance Abusing Women and Their Children. Center for Treatment Improvement. **National Institute of Mental Health - National Institutes of Health, USA**, PI: Dr. Ben Hirsch-Gornemann. 1993-1995. (\$ 450,000.00).

The Impact of Depression on Substance Use among Hispanic Families. **The Medical Foundation/Charles A. King Trust, USA**, 1992-1994. PI: Dr. Ben Hirsch-Gornemann.

A Community-Based Approach to Early Intervention with Pregnant Women using Alcohol and Other Drugs. Center for Substance Abuse Prevention. **NIMH - National Institutes of Health, USA**. PI: Dr. Amaro. AR: Dr. Ben Hirsch-Gornemann. 1991-1993.

The Inhalant Abuse Prevention Project: Parents, providers and youth knowledge; attitudes and service needs to prevent inhalant abuse among Hispanic youth. COSSMHO. **Center for Substance Abuse Prevention. National Institutes of Health (NIMH - NIH), USA**. PI: Dr. Hortensia Amaro. AR: Dr. Ben Hirsch-Gornemann. 1991-1992.

Prevalence and Patterns of Drug Use among Adolescent Mothers. **William T. Grant Foundation**. USA. PI: Dr. Hortensia Amaro. AR: Dr. Ben Hirsch-Gornemann. 1988-1991.

AIDS Outreach to Pregnant Women and their Children. **National Institute on Drug Abuse - NIH, USA**. PI: Dr. Hortensia Amaro. AR: Dr. Ben Hirsch-Gornemann. 1988-1991.

Assessment of Hispanic Communities at Risk: AIDS Knowledge and Attitudes, Risk Behavior and Prevention Strategies. **Centers for Disease Control. (CDC, Atlanta, USA)**. PI: Dr. Hortensia Amaro. AR: Dr. Ben Hirsch-Gornemann. 1991-1992.

Latino Gay Men Project: AIDS Knowledge, Attitudes and Risk Behavior among Hispanic Homosexual Men. **Latino Health Network**. Boston, USA. PI: Dr. Hortensia Amaro. AR: Dr. Ben Hirsch-Gornemann. 1990-1991.

FUNDED RESEARCH – NETWORKS OF EXCELLENCE

NETWORKS OF EXCELLENCE - Public Health Research Fund (FIS, ISCIII), Ministry of Health, Spain. Associated Researcher

- SAMSERAP RD06/0018/0039. Mental Health and Primary Care Services Network. Coordinator: Dr. Bellón Saameño. 2006-2009.
- National Network of Addictive Disorders. National Coordinator: Dr. Rodriguez de Fonseca. Funding: RETICS. € 5,830,260. 2003-2006, 2010-2012.
- Associated Node for The National Center for The Study Of Neural Disorders. (RED CIEN). Coordinator for Malaga Node: Dr. Rodriguez de Fonseca. € 300,000 (total network: € 1,500,000).
- Research Groups Network. Cooperative Study In Mental Retardation Of Genetic Origin. Coordinator Malaga Node: Dr. de Diego. (PI051411). 2003-2006. € 64,969
- Platform for Genotyping and Identifying Genetic Factors Involved in The Susceptibility and Pharmacological Response of Mental Diseases. PI: Dr. Estivill. Coordinator for the Malaga node: Dr. de Diego. 2003-2006. € 135,000.
- Molecular and Physiopathological Basis in the Treatment of Obesity. Coordinator: Fernando Rodriguez de Fonseca. C03/028 2003
- Research in Health Services for the Decision Making Process in the National Health System. Coordinator: Dr. Emilio Perea. 2000-2003.

GROUPS OF EXCELLENCE - Andalusian Plan For Research, Health Council, Government Of Andalusia, Spain. - Associated Researcher

- GROUP CTS 433. Neuropsychology of Addiction. Coordinator: Dr. Rodriguez de Fonseca. 2010-2012. 2003-2005. € 187,000.
- GROUP CTS 546. Basic, clinical, genetic and epidemiologic research on mental diseases. Coordinator: Dr. de Diego. 2005-2006. € 5,370.

UNPUBLISHED MANUSCRIPTS AND RESEARCH REPORTS

Cohen, E., Ben Hirsch-Gornemann, M., Orlofsky, E., Contreras, S. (2018). Testing Plan and Results. The Portable Natural Biological System by Ayala Water & Ecology. Technical Report to the EC, under the BRIGAD project (Grant Agreement 700699).

Svenson G, et al. Development and creation of a European youth peer education network. Europeer Phase 2. The European Joint Action Plan on AIDS Peer Education for Young people In and Outside the School System. Agreement No. S12 104235 (99CVF4-013). Dept. of Community Medicine. Lund University, Sweden. January 1999-January 2000.

Gornemann I et al. Increase of hospital service use among people 55 years old and older. Government of Andalusia, Spain, 1999.

Gornemann I, et al. Mental Health and Women in Andalusia. Institute for women studies, Government of Andalusia, Spain, 1998.

Amaro, H. and Gornemann, I. HIV/AIDS Related Knowledge, Attitudes, Beliefs, and Behaviors Among Hispanics: Report of Findings and Recommendations. A study conducted by the Northeast Hispanic AIDS Consortium. January, 1992.

Amaro, H. and Gornemann, I. HIV/AIDS Related Prevention, Support and Direct Care Programs: A Survey of Community Agencies. Report of Findings and Recommendations. A study conducted by the Northeast Hispanic AIDS Consortium, January, 1992.

Amaro, H. and Gornemann, I. Demographic Characteristics, AIDS Knowledge, Attitudes and Risk Behaviors among Latino Gay Men Participants in a Pilot Educational Project. Submitted to: The Latino Health Network. August, 1991.

Amaro, H., Gornemann, I., et al. Report on Focus Groups Findings: Southwest Inhalant Abuse Prevention Project. Submitted to: COSSMHO. Under funding from The Office of Substance Abuse Prevention. September, 1991.

CONSULTING ACTIVITIES 2008-2013

Consultant and Grant Writer: Proposal submissions for the Horizon 2020 and 7th Framework program of the European Union, Human Science Frontier Program, National Institutes of Health Grant Calls and others. Latest call submissions include the following:

AAL JOINT PROGRAMME- 2011-4-04. Safety for elderly in mobile activities through sensor-based services for Ambient-assisted Living. Proposal acronym: SALIG. Coordinator: Prof. Theo Kanter. Stockholm University University (SE). Partners: 2 Philips Consumer Lifestyles PC, (NL); Almende (NL), HI Iberia, (E), TU Delft TUD University (NL), FeSalud, (E); Orbis, (NL); Actimage (LU); PIAP Institute (PL); TeliaSonera (SE). Date: July-2011. Total: 3.675.675 €

HUMAN FRONTIER SCIENCE PROGRAM 2011. Dietary Biological Mechanisms Mediating Early Nutritional Factors-Induced Metabolic Programming. Coordinator: Dr. Rodriguez de Fonseca. Foundation IMABIS. – Regional University Hospital Carlos Haya, Malaga, (E). Partners: Hadassah Medical School, (IL); Yale University, (USA); Deutsches Institut fuer Ernahrungsforschung Potsdam, (D). Date: 31/03/2011

EU 7TH FRAMEWORK PROGRAMME – THEME FOOD AGRICULTURE AND FISHERIES – KBBE.2011.2.2-03: Long-term influence of early nutrition on health Call: FP7-KBBE-2011-5. Project Title: Starting Nutritional Factors Programming Later Health – STARNUT. Coordinator: Dr. Rodriguez de Fonseca. Foundation IMABIS – Regional University Hospital Carlos Haya, Malaga, (E). **Partners:** Hadassah Medical School, (IL); Instituto Nacional De Investigacion Y Tecnologia Agraria Y Alimentaria, (E); University Of Ljubljana, (SI); University Of Torino, (I); Center For Biomedical Research Network In Physiopathology Of Obesity And Nutrition, (E); Oregon Health And Science University, (USA); Yale University, (USA); Foundation For E-Health Fe-Salud, (E);

Deutsches Institut fuer Ern hrungsforschung Potsdam, (D); University Of Oulu, (FIN); University Of K ln, (D); Hellenic Health Foundation, (GR). Date: 20/01/2011. Amount:8.972.810  .

HUMAN FRONTIER SCIENCE PROGRAM 2010. Dietary Fatty Acids Targeting Appetite-Modulating Genes As Potential Anorexia Nervosa Therapies. **Coordinator:** Dr.Rodriguez de Fonseca. Foundation IMABIS (E);. Partners: Hadassah Medical School, (IL); University Medical Center of the Johannes Gutenberg University Mainz, (D); INSERM and Universit  Bordeaux, (F). Date: 29/03/2010

EUROPEAN RESEARCH COUNCIL. ERC ADVANCED GRANT 2010. Peripheral Modulation of Brain Function Systems through Acylethanolamides –ACYLUP. **PI:** Dr. Rodriguez de Fonseca. Foundation IMABIS, (E). Partners: Hadassah Medical School, (IL); Centro Superior de Investigaciones Cient ficas. CSIC. (E). Date: 17/03/2010. Amount: 2.498.411  

ERA-NET-NEURON. Call for transnational research projects 2010. “European Research projects on Mental Disorders” Dietary Fatty Acids and Derivatives Targeting Appetite-Modulating Genes as Potential Therapies For Anorexia Nervosa. **Coordinator:** Dr. Rodriguez de Fonseca. Foundation IMABIS, (E). Partners: Hadassah Medical School, (IL); University of Heidelberg, (D); University Medical Center of the Johannes Gutenberg University Mainz, (D); INSERM and Universit  Bordeaux, (F). Date: 8/03/2010. Amount: 1.135.014  

EU 7TH FRAMEWORK PROGRAMME – THEME FOOD AGRICULTURE AND FISHERIES – ACTIVITY FORK TO FARM, HEALTH AND WELL BEING. FP7-KBBE-2010-4. Neurological pathways regulating hunger/satiety and gut behavior. Evaluation of Nutritional Determinants of The Brain-Targeting Peripheral Signals Of Satiety. **Acronym: FOODUP.** **Coordinator:** Dr. Rodriguez de Fonseca. Foundation IMABIS, (E). Partners: Hadassah Medical School, (IL); University of Newcastle upon Tyne, (UK); University of Aberdeen, (UK); The University of Liverpool, (UK); The Hellenic Health Foundation, (GR); University Pompeu Fabra, (E); University Santiago de Compostela, (E); IMIM, (E); University of Heidelberg. (D); University of M nchen, (D); University of Camerino, (I); INSERM (F); Date: 14 /01/2010. Amount: 8.491.750  

EUROPEAN RESEARCH COUNCIL. ERC STARTING GRANT 2010. Analysis of the role of the endogenous cannabinoid system in two pathologies: cocaine addiction and obesity. COCAINNABINOID. **PI:** Dr. Suarez. Foundation IMABIS (E). Date: 18/11/2009. Amount: 1.497.474  

EUROPEAN RESEARCH COUNCIL. ERC STARTING GRANT 2010. Circulating endothelial cells, progenitor endothelial cells and circulating hematopoietic cell subpopulations as diagnostic and prognostic biomarkers in Acute Myocardial Infarction. AMIFLOW. **PI:** Dr. L. Suarez. Spain. Date: 18/11/2009. 1.496.393  

EUROPEAN COMMISSION - 7TH FRAMEWORK PROGRAMME. FP7-HEALTH-2007-B. PROJECT TARGET TO SME Search For New Therapeutic Agents Against Complicated Obesity By Reprofilling Existing Drugs. REPROBESITY. **Coordinator:** Dr. Fernando Rodriguez de Fonseca. FUNDACION IMABIS (E). Partners: Vivia Biotech (E), INSERM (F), U. Bologna (I), U. Mainz (D), U. Santiago de Compostela (E). 2008-2011. 5.399.412  .

PAST CONSULTING AND TECHNICAL ASSISTANCE CONTRACTS (1990-1996)

Review Committee Member. Grants and Contracts. Center for Substance Abuse Prevention (CSAP). National Institute Mental Health - National Institutes of Health (NIMH-NIH). USA. 1992-1995.

Proposal Development: Family and Psychosocial Influences on Secondary Prevention in HIV. John Snow Inc. 1992-1995.

"National Center for the Advancement of Prevention" CSAP. National Institute Mental Health - National Institutes of Health (NIMH-NIH).USA. 1993-1995.

Technical Assistance Services to States. CSAP. National Institute Mental Health - National Institutes of Health (NIMH-NIH). USA. 1992-1995.

Technical Assistance Services to Communities. The Border Substance Abuse Prevention Planning Meeting. Border Health Coordination. Edinburg, Texas. Center for Substance Abuse Prevention. National Institutes of Health (NIMH-NIH). USA. 1991

Randomized Trial of Comprehensive Day Treatment for Pregnant Drug Users. National Institute on Drug Abuse. National Institute Mental Health - National Institutes of Health (NIMH-NIH). USA. 1990.

Cocaine Exposure in Uterus: Two Year Infant Follow-up. National Institute on Drug Abuse. National Institute Mental Health - National Institutes of Health (NIMH-NIH). USA. 1990.

TEACHING POSITIONS

Associate Professor. Training Program for Medical Interns in Andalucía. 2009-2012. Health Services of the Autonomous Region of Andalusia, Spain.

Associate Professor. Doctoral program in Psychiatry and Psychotherapy. 2007-2009. University of Malaga, Spain. 2008.

Associate Professor. Foundation IMABIS (Foundation Hospital Carlos Haya), Malaga, Spain. 1999-2007.

Associate Professor. Andalusian School Public Health, Granada, Spain. 1995-1999.

Assistant Professor of Public Health. Boston University School of Medicine and School of Public Health. Department of Social and Behavioral Sciences. Boston, Massachusetts, USA. 1993-1995.

Teaching Assistant. Boston University School of Medicine and School of Public Health. Department of Social and Behavioral Sciences. Boston, Massachusetts, USA. 1991-1992.

AWARDS

Awarded recognition as a Scientist **by the Ministry of Absortion. Executive Department of Economy and Entrepreneurship, Employment and Science,** Israel. 2012.

First Price. XIV Amadeo Sanchez Blanqué Price of the Spanish Biological Psychiatry Society. Role of the serotonin transporter in postpartum , a different road to depression. _Sanjuán J, et al. 2010.

Spanish Geriatric and Gerontological Society Research Award. 1997

COMMITTEES AND FACULTY ACTIVITIES

Admissions Committee Member. Boston University School of Medicine and School of Public Health Boston, USA. 1993-1995

Faculty Mentor. Americorps Health and Housing Fellows Program. Boston University School of Medicine and School of Public Health, Boston, Massachusetts, USA. 1994

JOURNAL REVIEWER

Journal of Affective Disorders; Obesity and Metabolism; European Journal of Public Health; Gaceta Sanitaria; Health Education Quarterly; International Review of Psychiatry; International Journal of Mental Health.

PRESENTATIONS, MEETINGS AND CONFERENCES (as per request)