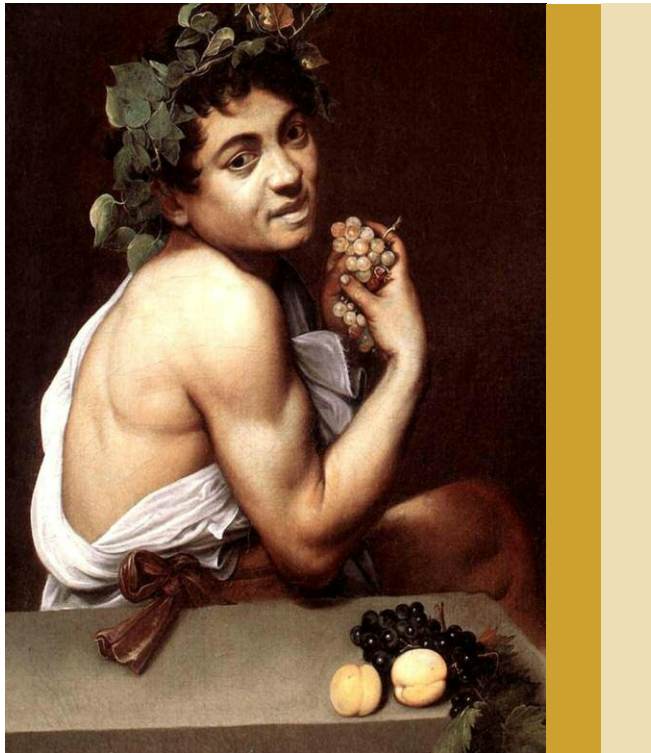




THE PONTIFICAL ACADEMY OF SCIENCES

Narcotics:

Problems and Solutions of This Global Issue



23-24 November 2016 • Casina Pio IV • Vatican City



... human trafficking and smuggling, as well as new forms of slavery such as forced labour, prostitution, organ trafficking, the drug trade and organized crime. As my predecessor Pope Benedict XVI stated, and I myself have repeated on several occasions, these are true crimes against humanity; they need to be recognized as such by all religious, political and social leaders, and by national and international legislation.

Address of His Holiness Pope Francis to the Judges' Summit Against Human Trafficking and Organized Crime, Casina Pio IV, 3 June 2016

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... la trata y el tráfico de personas y las nuevas formas de esclavitud tales como el trabajo forzado, la prostitución, el tráfico de órganos, el comercio de la droga, la criminalidad organizada. Como dijo mi predecesor Benedicto XVI, y lo he afirmado yo mismo en varias ocasiones, éstos son verdaderos crímenes de lesa humanidad que deben ser reconocidos como tales por todos los líderes religiosos, políticos y sociales, y plasmados en las leyes nacionales e internacionales.

Discurso del Santo Padre Francisco Cumbre de los Jueces Contra la Trata de Personas y el Crimen Organizado, Casina Pio IV, 3 de junio de 2016

INTRODUCTION

Following a special wish of Pope Francis, the Pontifical Academies of Sciences is organizing a two-day Workshop on *Narcotics: Problems and Solutions of this Global Issue* on 23-24 November 2016. The current system to be examined presents numerous aspects: the history of drug use from a cultural and geopolitical point of view, the different types of substances, the centres of production and distribution and consumer typologies. Particular attention will be devoted to prevention of substance abuse related to children and young people.

Today, substance abuse problems are undeniably topical, since drugs are one of the scourges of our globalised world, despite the enormous resources employed all over the world to fight drug trafficking and production.

The UNODC¹ conservatively estimated that in 2013, the most recent year for which data is available, 246 million people worldwide, or 1 out of 20 individuals between the ages of 15 and 64, used an illicit drug, an increase of 3 million people over the previous year. More alarmingly, 27 million people were characterized as “problem drug users.” Only one out of every six of these problem users had access to any sort of addiction treatment.

Our workshop intends to focus specifically on the scientific aspect, presenting the consequences of substance abuse

(both soft and hard drugs) on our bodies and brains, as well as the potential medical uses of certain drugs for specific diseases and disorders. Other aspects that will be discussed include the illicit and relatively easy production of drugs (in cities, slums, and in the countryside); strategies that fight the conditions fostering the use of drugs; exploitation of young children in criminal organizations that distribute narcotics; and effects of soft drugs legalization on our society.

Leading professionals, scientists, experts, medical doctors, researchers, practitioners, members of civil society, judges and our Academicians are invited by the PAS to examine and discuss possible innovative socio-political solutions to these drug-related issues.

Our goal is to reach a consensus that investing in education, prevention, health care, addiction treatment and, in certain cases, alternatives to incarceration would do more to end the drug trade than relying primarily on the criminalization of the victims.

¹ Available online: https://www.unodc.org/documents/wdr2015/World_Drug_Report_2015.pdf

+ MARCELO SÁNCHEZ SORONDO



INTRODUCCIÓN

En respuesta a un deseo especial del Papa Francisco, la Pontificia Academia de las Ciencias organiza un taller sobre *Narcóticos: problemas y soluciones para este problema mundial*, que se realizará en la Casina Pío IV los días 23 y 24 de noviembre de 2016. La situación actual que queremos examinar presenta numerosos aspectos: la historia del consumo de drogas desde un punto de vista cultural y geopolítico, los diferentes tipos de sustancias, los centros de producción y de distribución, y las tipologías de consumidores. Haremos especial hincapié en la prevención del abuso de sustancias por parte de los niños y de los jóvenes.

Hoy en día, los problemas de abuso de sustancias son de una actualidad innegable, ya que las drogas constituyen uno de los mayores flagelos de nuestro mundo globalizado, a pesar de los cuantiosos recursos empleados en todo el mundo para combatir el tráfico y la producción de estupefacientes.

La Oficina de las Naciones Unidas contra la Droga y el Delito (UNODC, por sus siglas en inglés)¹ estima que en 2013, el año más reciente para el cual hay datos, 246 millones de personas en todo el mundo —es decir, 1 de cada 20 personas entre las edades de 15 y 64 años— utilizaron una droga ilícita, lo que representa un aumento de tres millones de personas respecto al año precedente. Pero lo que es aún más alarmante es que 27 millones de personas han sido caracterizadas como “consumidores problemáticos de drogas”. Asimismo, solo uno de cada seis de esos consumidores problemáticos ha tenido acceso a algún tipo de tratamiento de su adicción.

Nuestro taller se enfocará principalmente en el aspecto científico, presentando las consecuencias del abuso de drogas (tanto las “blandas” como las “duras”) en el cuerpo y el cerebro, así como explorando los posibles usos medicinales de ciertas sustancias para curar enfermedades y trastornos específicos. Otros aspectos que también se considerarán son: la producción ilícita y relativamente sencilla de ciertas drogas (en ciudades, barrios marginales, y campos); las estrategias para combatir aquellas condiciones que favorecen el uso de drogas; la explotación de los niños en las organizaciones criminales que distribuyen estupefacientes, y los efectos de la legalización de las llamadas drogas blandas en nuestra sociedad.

Además de nuestros Académicos, destacados profesionales, científicos, expertos, médicos, investigadores, miembros de la sociedad civil y jueces han sido invitados por la Pontificia Academia de las Ciencias para que entre todos examinen y discutan innovadoras soluciones sociopolíticas que puedan resolver las antedichas cuestiones relacionadas con las drogas.

En definitiva, el objetivo es llegar a un consenso sobre la mejor manera de poner fin al tráfico de drogas. En tal sentido, parecería que la inversión en educación, en prevención, en cuidado de la salud, en tratamientos contra las adicciones y, en ciertos casos, en alternativas al encarcelamiento resultaría mucho más eficaz que la simple penalización de las víctimas.

¹ Disponible en línea: http://www.unodc.org/documents/wdr2015/World_Drug_Report_2015_Spanish_.pdf



PROGRAMME

23 NOV

9:00	H.E. Msgr. Marcelo Sánchez Sorondo <i>Word of Welcome</i>
9:05	H.M. Queen Silvia of Sweden <i>Introduction</i>
DRUG USE: CULTURAL AND GEOPOLITICAL HISTORY AND NEW SCENARIOS Chairperson: ...	
9:30	Mr. Yuri Fedotov <i>The International Drug Control System and the Outcomes of the 2016 General Assembly Special Session on the World Drug Problem</i>
10:00	Discussion
10:15	Prof. Dr. Luis Alberto Ferrari <i>History of Psychoactive Drug Consumption: From Ancient Users to New Drug Design Abusers</i>
10:45	Discussion
11:00	Mr. Kevin Hyland <i>The Links Between Human Trafficking and Drug Crime</i>
11:30	Discussion
11:45	Mr. Gustavo Vera <i>Narcotráfico y parainstitucionalidad</i>
12:15	Discussion
12:30	General Discussion
12:45	Lunch at the Casina IV
PREVENTION AND EDUCATION. EVIDENCE-BASED PRINCIPLES AND STRATEGIES Chairperson: Dr. Joanna Rubinstein	
14:00	Ms. Yvonne Thunell <i>Preventing Drug Addiction in Children and Youth</i>
14:30	Discussion
14:45	Dr. Zunilda Niremperger <i>Drug Use in Latin America</i>
15:15	Discussion
15:30	Dr. Angela Me <i>Global Overview of Challenges Related to the Drug Problem</i>
16:00	Discussion
16:15	Ms. Azadeh Bahramji <i>Vulnerability of Refugees to Addiction and Drug Prevention Approaches in Iran</i>
16:45	Discussion
17:00	Dr. Francis L. Delmonico, M.D. <i>The Impact of the Narcotic Abuse Epidemic on Organ Donation</i>
17:30	Discussion
17:45	General Discussion
18:00	Coffee Break
CHURCH AND NGO ROUND TABLE Chairperson: Marcelo Sánchez Sorondo	
18:15	Mr. Carlos Cruz <i>De victimarios a pacificadores: Una propuesta de salud pública</i> Padre Tonio Dell'Olio <i>The Contribution of Civil Society to the Fight against Drug Trafficking</i> Mr. Russell Turner TRESTAD 2 (THREE CITY PROJECT 2) <i>Drug prevention in Sweden's three major cities: Stockholm, Gothenburg and Malmö</i> Dr. Héctor Masoero <i>OPRENAR: un caso de organización de la Sociedad Civil para la prevención del narcotráfico y las adicciones</i> H.E. Msgr. Jorge Eduardo Lozano <i>Magisterio y experiencia pastoral con las personas adictas</i> Don Aldo Buonaiuto COMUNITÀ PAPA GIOVANNI XXIII <i>Un'esperienza di recupero italiana</i>
20:00	General Discussion
20:15	Dinner at the Casina Pio IV

24 NOV

NEUROSCIENCES

Chairperson: ...

9:00	Dr. Nora Volkow <i>Drug Effects on the Human Brain</i>
9:30	Discussion
9:45	Dr. Robert L. DuPont, M.D. <i>How to Stop the Drug Epidemic</i>
10:15	Discussion
10:30	Brigitte Kieffer, PhD <i>Opiates and the Brain</i>
11:00	Discussion
11:15	General Discussion
12:00	Papal Audience
12:45	Hon. Andrea Orlando <i>Address of the Italian Minister of Justice</i>
13:05	Lunch at the Casina Pio IV

MEDICINAL AND RECREATIONAL USE

Chairperson: ...

14:15	Prof. Bertha K. Madras, PhD <i>Psychoactive Drugs with Medicinal Properties: Challenges and Solutions</i>
14:45	Discussion
15:00	Dr. João Castel-Branco Goulão, M.D. <i>Addressing the Recreational Use of Cannabis: A Public Health Approach</i>
15:30	Discussion
15:45	Prof. Rafael Maldonado <i>The Endocannabinoid System: Therapeutic Perspectives and Risks of Cannabis Consumption</i>
16:15	Discussion

SOCIOECONOMIC ASPECTS

Chairperson: ...

16:30	Dr. Kevin Sabet <i>The Social Impact of Drug Policy Change</i>
17:00	Discussion
17:15	Prof. Jonathan P. Caulkins <i>The Particular Perils of Legalizing Commercial Production of Cannabis</i>
17:45	Discussion
18:00	Mr. Alexis Goosdeel <i>The European Drugs Market and the Growing Role of Internet: Socio-Economic and Socio-Cultural Perspectives</i>
18:30	Discussion
18:45	Mr. Roberto Saviano <i>Old and New Dynamics of Corruption</i> (video)
19:00	General Discussion and Final Statement
19:30	Dinner at the Casina Pio IV

LIST OF PARTICIPANTS



H.M. Queen Silvia of Sweden
Co-founder of the World Childhood Foundation
Honorary board member
of The Mentor Foundation International



Prof. Luis Alberto Ferrari, PhD
Chief (ret.),
Laboratory of Toxicology and Forensic Chemistry,
Supreme Court of Justice,
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Azadeh Bahramji
Refugees (Women and Youth) Empowerment project
manager at Operation Mercy,
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Mr. Alexis Goosdeel
Director, European Monitoring Centre for Drugs and
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Don Aldo Buonaiuto
Comunità Papa Giovanni XXIII,
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Mr. Kevin Hyland
United Kingdom's first Independent Anti-Slavery
Commissioner, London, UK



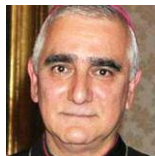
Dr. João Castel-Branco Goulão, M.D.
Director-General, The General-Directorate for
Intervention on Addictive Behaviours and
Dependencies (SICAD),
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Brigitte Kieffer, PhD
Scientific Director,
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H. Guyford Stever Professorship of Operations
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H.E. Msgr. Jorge Eduardo Lozano
Obispo de Gualaguaychú
Argentina



Mr. Carlos Cruz
Director y Fundador de Cauce Ciudadano,
Mexico



Prof. Bertha K. Madras, PhD
Professor of Psychobiology
Department of Psychiatry
Harvard Medical School
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Padre Tonio Dell'Olio
Associazione Libera,
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Professor of Pharmacology
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Medical Director
of the New England Organ Bank (NEOB),
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Dr. Héctor Masoero
Rector de la Universidad Argentina
de la Empresa (UADE),
Miembro de la Academia Nacional de la Educación
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Dr. Robert L. DuPont, M.D.
President,
Institute for Behavior and Health,
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Dr. Angela Me
Chief, Research and Analysis Branch, UNODC,
Vienna, Austria



Mr. Yuri Fedotov
Executive Director of the United Nations Office on
Drugs and Crime (UNODC), Vienna, Austria



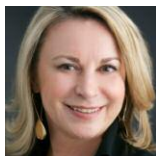
Judge Zunilda Niremperger
Jueza Federal de Chaco,
Argentina



Hon. Andrea Orlando
Minister of Justice
Italy



Mr. Roberto Saviano
Journalist, writer and essayist
Italy



Dr. Joanna Rubinstein
Senior Advisor at Sustainable Development
Solutions Network – President & CEO of World
Childhood Foundation USA



Ms. Yvonne Thunell
Chairman, Mentor Foundation International,
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Dr. Kevin A. Sabet, PhD
President, Smart Approaches to Marijuana (SAM)
Director of the Drug Policy Institute,
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PhD student/Doktorand
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Director of the National Institute on Drug Abuse
(NIDA) at the National Institutes of Health, Bethesda,
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OTHER PARTICIPANTS

Padre Fabián Belay | Rosario, Argentina

Antonio Boschini | Head of the Medical Department of the Therapeutic Community of San Patrignano, Italy

Karin Jordás | Secretary General of Mentor International

Sandro Libianchi | Responsabile Medico U.O. “Casa di Reclusione e 3a Casa Circ.le”, Complesso Polipenitenziario di Rebibbia, Roma, Italia

Padre Guillermo Marcó | OPRENAR, Argentina

Guillermo Marconi | OPRENAR, Argentina

Father James P.P. McCartney | FCIPID FCMi FinstLM, Executive Director, T.H.O.M.A.S. (Those on the Margins of a Society), UK

Padre Juan Carlos Molina | Argentina

Roberto Moro | Secretario de Programación para la Prevención de la Drogadicción y la Lucha contra el Narcotráfico de la República Argentina

Linda Nilsson | Secretary General, World Federation Against Drugs

Daniel Rafecas | Juez Federal de la Nación Argentina

Carla Rossi | Professor of Medical Statistics, Official National Expert of HRDU indicator at EMCDDA, President of the Association Centro Studi Statistici e Sociali, Italia

María Romilda Servini | Juez Federal de la Republica Argentina

Sergio Gabriel Torres | Juez Federal en lo Criminal y Correccional de la Capital Federal, Buenos Aires, Argentina

OBSERVERS

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Marina Valenti | Membro e operatore dell'Associazione Comunità Papa Giovanni XXIII

BIOGRAPHIES

Azadeh Bahramji is Refugees Empowerment Project Manager at Operation Mercy. Since 2009 she has been involved in preventing drug addiction and the spread of HIV among Afghan refugees in Iran. She is the author of 5 books two of which are about HIV and AIDS prevention for semi-illiterate adults and one book on self-protection in high risk areas. Bahramji has a master degree in Transformational Development from Easter College Australia and community development is part of her expertise.

Don Aldo Buonaiuto After studying philosophy and theology, he achieves specialization in theological anthropology. He is a well-known face of the Pope John XXIII Community Association, an international organization of pontifical right and great reality of the Church widespread in Italy and in the world, founded by Don Oreste Benzi. Anthropologist and demonologist, he is among the main Italian experts of the occult sects phenomenon also performing consulting within public prosecutors and law enforcement. He wrote numerous articles, lectures and realizes important conferences on the issues of marginalization. He is president of the non-profit organization Peace on Earth with some realities of welcome for people most marginalized and in the last few years also for refugees. He is journalist and regularly writes articles on the issue of prostitution, drug addiction, euthanasia, abortion, immigration, Satanism and esotericism. He organizes demonstrations and torchlight processions in favor of the "last". He is the organizer of the Via Crucis "For women crucified", realized in the streets and squares in the center of the capital in the years 2014 and 2016 in collaboration with the Diocese of Rome and other entities in favor of the liberation of women beaten, tortured, reduced to slavery by prostitution. In the extraordinary year of the Jubilee of Mercy, he participates in two committees for the organization of the jubilee events. At the beginning of Lent 2016 Don Aldo is nominated by the Holy Father through the Pontifical Council of Evangelization as a "missionary of mercy."

João Castel-Branco Goulão, M.D., was originally a family doctor and has become a leader of Portugal's drug policy reform movement. He was part of the expert panel who developed the initial recommendations for the decriminalization of drugs presented in 1998. He graduated from the University of Lisbon's Faculty of Medicine in 1978, and became a general practitioner in 1983. He joined the Taipas Centre in Lisbon when it was established in 1987 by the Portuguese Ministry of Health for the treatment, recovery and social reintegration of drug addicts. In 1997, he became the national director of the network of drug treatment centers in Portugal. João Goulão was Chair of EMCDDA's Management Board from January 2010 to December 2015.

Jonathan P. Caulkins is the Stever University Professor of Operations Research and Public Policy at Carnegie Mellon University's Heinz College and a member of the National Academy of Engineering. Dr. Caulkins specializes in systems analysis of problems pertaining to drugs, crime, terror, violence, and prevention - work that won the David Kershaw Award from the Association of Public Policy Analysis and Management, a Robert Wood Johnson Health Investigator Award, and the INFORMS President's Award. He has authored or co-authored over 125 refereed articles and ten books including most recently the 2nd edition of *Marijuana Legalization: What Everyone Needs to Know* (2016, OUP, with Beau Kilmer and Mark Kleiman).

Carlos Alberto Cruz Santiago Autodidacta, educador popular, emprendedor social y "pandillero constructor de paz". Egresado del Instituto Histadrud de Israel en Prevención de la Violencia Juvenil. Fundador de la Escuela Latinoamericana para la Actoría Social Juvenil. Actualmente es socio fundador y Presidente de Cauce Ciudadano A.C., organización con 15 años de experiencia en trabajo con jóvenes en situación de riesgo y vulnerabilidad a través de la prevención social de las violencias y la atención del daño en adolescentes y jóvenes en distintos lugares de México como Jalisco, Estado de México, Morelos, Tlaxcala, San Luis Potosí, Nuevo León, Oaxaca, Querétaro y Chihuahua.

Padre Tonio Dell'Olio is an Italian Presbyterian. He was responsible for the international sector of Libera - *associazioni nomi e numeri contro le mafie*: an Italian association that aims to fight against mafia organisations and to promote a strong sense of social responsibility amongst citizens through various projects

and through the promotion of legality and justice. He leads the Pro Civitate Christiana in Assisi.

Francis L. Delmonico, M.D. FACS is Professor of Surgery Harvard Medical School at the Massachusetts General Hospital, where he is Emeritus Director of Renal Transplantation. He has been a member of the MGH Department of Surgery for 35 years. He is the Past-President of The Transplantation Society (2012-2014) and appointed as an Advisor to the World Health Organization in matters of organ donation and transplantation since 2006. Dr. Delmonico is the Medical Director of the New England Organ Bank since 1995. He is the Senior Advisor and former Executive Director of the Declaration of Istanbul Custodian Group.

Robert L. DuPont has been a leader in drug abuse prevention and treatment. He was the first Director of the National Institute on Drug Abuse and the second White House Drug Chief. From He was Director of Community Services for the District of Columbia Department of Corrections. He also served as Administrator of the District of Columbia Narcotics Treatment Administration. In 1978 he became the founding President of the Institute for Behavior and Health, Inc., a non-profit organization that identifies and promotes new ideas to reduce illegal drug use. Dr. DuPont received his MD degree from the Harvard Medical School and completed his psychiatric training at Harvard and the National Institutes of Health. He specializes in addiction and the anxiety disorders and is Clinical Professor of Psychiatry at the Georgetown University.

Yuri Fedotov Secretary-General Ban Ki-moon appointed Mr. Yury Fedotov of the Russian Federation Executive Director of the United Nations Office on Drugs and Crime (UNODC) and Director-General of the United Nations Office in Vienna (UNOV) on 9 July 2010. He holds the rank of Under-Secretary-General of the United Nations. Mr. Fedotov is a member of the UN Systems Chief Executive Board, an instrument of cooperation and coordination among the bodies of the United Nations. He also represents UNODC at the Global Migration Group, an inter-agency group that meets at the level of heads of agencies. In the areas of drugs and crime, Mr. Fedotov is the Co-chair of the Principals meetings of the UN Task Force on Transnational Organized Crime and Drug Trafficking. Created by the Secretary General in June 2011 the Task Force is designed to ensure an effective and comprehensive approach within the UN system when addressing these challenges. As Executive Director of UNODC, Mr. Fedotov has encouraged countering drug trafficking based on building regional initiatives and providing technical assistance, while also promoting a balanced approach to solving drug demand. He has called on Member States to ratify and implement all UN Conventions on drugs, crime and corruption. Mr. Fedotov is closely involved in promoting the United Nations Voluntary Trust Fund for Victims of Trafficking in Persons, which is managed by UNODC, as well as the Blue Heart Campaign against human trafficking. Prior to becoming Director General/Executive Director of UNOV/UNODC, Mr. Fedotov served as Ambassador Extraordinary and Plenipotentiary of the Russian Federation to the Court of St. James's in London for five years. Before that, from 2002 to 2005, he was the Deputy Minister of Foreign Affairs of the Russian Federation for International Organizations. As a member or head of Russian delegations he took part in many international conferences and forums such as sessions of the General Assembly, ECOSOC, UN Commission on Human Rights, UNIDO, UNESCO, WFP, UN ECE, ESCAP etc. In his personal capacity, he was also a member of the College of Commissioners of the UN Commission on Monitoring and Verifications in Iraq (UNMOVIC). Mr. Fedotov was Director of the Department of International Organizations, Member of the Board of the Ministry of Foreign Affairs of the Russian Federation from 1999 to 2002. Mr. Fedotov started his foreign service in 1972 as a member of the USSR delegation to the United Nations Disarmament Committee in Geneva. He subsequently took up a number of diplomatic assignments in Moscow, as well as at the Embassies in Algeria and India. He graduated from the Moscow State Institute of International Relations (MGIMO), speaks fluent English and French and has a basic knowledge of German.

Luis Alberto Ferrari, Ph.D; MSc.Chemistry; MSc.Pharmac; Cons.Toxicol. Chief (ret.) Laboratory of Toxicology and Forensic Chemistry, Supreme Court of Justice,

Buenos Aires, Argentina. Ph.D with Thesis about Forensic Toxicology. He produced as author, reviewer and speaker over 200 papers in national, international journals and events in Analytical and Forensic Toxicology. Scholar of Narcotics Drugs-United Nations, 1989. He obtained eight awards and organized several International meetings. Full Professor and Principal Researcher in Toxicology and Forensic Chemistry, UM University. Reviewer Outstanding of Forensic Science International. Reviewer of UNODC, United Nations. Adviser of National Prosecution. Adviser Commission on Drug Dependence, Argentine Episcopal Conference.

Alexis Goosdeel is the European Monitoring Centre for Drugs and Drug Addiction (EMCDDA) Director. Prior to this he was working at the EMCDDA as a project manager in the area of EU enlargement and international relations. From 2005, he headed the agency's Reitox and international cooperation unit. In this capacity, he played a central role in: coordinating a network of 30 national drug monitoring centers; preparing EU candidate and potential candidate countries for membership of the EMCDDA, developing cooperation with neighbouring countries to the EU; and nurturing relations with countries beyond the Union (Central Asia, Russia, Latin America). Much of his 30-year career has evolved in the field of public health.

Kevin Hyland OBE is the first UK Independent Anti-Slavery Commissioner, as appointed by the Home Secretary. The creation of the Commissioner role is one of the key provisions of the landmark Modern Slavery Act, which received Royal Assent in March 2015. He will spearhead the UK's fight against modern slavery, focusing on strengthening law enforcement, ensuring that public authorities identify and support victims and working to prevent modern slavery crimes from occurring in the UK and internationally. Prior to undertaking this role, Mr Hyland was head of the Metropolitan Police's Human Trafficking Unit, which was internationally recognised for its anti-trafficking operations. He has over 30 years experience investigating organised crime and has secured convictions in some of the most challenging cases of slavery and trafficking. Mr Hyland was also instrumental in the establishment of the Santa Marta Group, a high-level strategic partnership between international law enforcement agencies, the Catholic Church and civil society, which was launched at the Vatican by Pope Francis in 2014.

Brigitte Kieffer is Professor at the Dpt Psychiatry, McGill University and Scientific Director of the Douglas Mental Health Research Center (Montréal, Canada) since 2014. She developed most her research activity at IGBMC, Strasbourg, France. She isolated the first opioid receptor gene and her genetic dissection of the opioid system brought major advances in pain, addiction and mood research. She received numerous awards (French/US Academies of Science, International L'OREAL-UNESCO award) and is member of the French Academy of Sciences. She published about 200 articles in international peer-reviewed journals, wrote >40 invited reviews and book chapters, and gave >200 invited conferences worldwide.

Mons. Jorge Eduardo Lozano nació en la ciudad de Buenos Aires. Fue hecho Obispo titular de Fornos Mayor y auxiliar de Buenos Aires en 2000 por el Papa Juan Pablo II y recibió la ordenación episcopal en la catedral metropolitana de manos del cardenal Jorge Mario Bergoglio S.J., arzobispo de Buenos Aires. Fue nombrado obispo de Gualaguaychú en 2005 por el Papa Benedicto XVI. Cursó la secundaria en la Escuela Industrial de la Nación "Otto Krausse", de la que egresó en 1973 con el título de Electrotécnico. Fue también alumno de la Facultad de Ingeniería de la Universidad Tecnológica Nacional hasta que a los 22 años ingresó en el Seminario Metropolitano de Buenos Aires donde cursó los estudios de Filosofía y Teología. En 1981 obtuvo el título de Bachiller en Teología, en la Facultad de Teología de la Universidad Católica Argentina (UCA). Luego se especializó en estudios sobre pastoral social. Hoy es Presidente de la Comisión de Pastoral Social de la Conferencia Episcopal Argentina.

Bertha Madras (*the honorable*) is Professor of Psychobiology, Harvard Medical School at McLean Hospital. Her neuroscience research focuses primarily on addiction biology and is published in over 200 manuscripts, articles and commentaries. She is principal/co-editor of three books, "The Cell Biology of Addiction", "The Effects of Drug Abuse in the Human Nervous System" and "Imaging of the Human Brain in Health and Disease". In Dec. 2015, the World Health Organization published her monograph "Update of Cannabis and its Medical Use". She is for-

mer Deputy Director for Demand Reduction (prevention, treatment) in the White House Office of National Drug Control Policy, Executive Office of President, an appointment unanimously confirmed by the U.S. Senate. As an inventor, she received 19 U.S. patents and 27 international patents. A recipient of a number of awards, her brain imaging agent was listed by The Better World Report (2006) as "one of 25 technology transfer innovations that changed the world".

Rafael Maldonado (Cádiz, Spain, 1961), MD, PhD, is Professor of Pharmacology (University Pompeu Fabra, Barcelona, Spain). He investigates the neurochemical basis of drug dependence and related disorders (affective, pain, cognitive, eating), particularly in the field of the endocannabinoid system. He has 272 scientific articles in international journals, has been Principal Investigator for 27 years of research grants funded by the main Spanish, European and USA agencies, is reviewer/member of the Editorial Board of several scientific journals and has also collaborated with public authorities and private companies in the research policy and pharmaceuticals development on novel treatments for drug abuse and pain.

Héctor Masoero es uno de los impulsores y fundadores del OPRENAR, conjuntamente con el Dr. Jorge Auffero, el Pbro. Guillermo Marcó y el Dr. Guillermo Marconi. El OPRENAR - Observatorio para la Prevención del Narcotráfico de la Argentina es una red de organizaciones de la sociedad civil vinculadas al campo de la educación y la salud que promueve el desarrollo de políticas públicas tendientes a reducir tanto la oferta como la demanda de drogas. Masoero es también miembro de número de la Academia Nacional de Educación y de la Academia Nacional de Ciencias de la Empresa de la República Argentina, y Doctor Honoris Causa por la Universidad de Ciencias Sociales y Empresariales. Preside la Fundación UADE. Es Director de Techint Argentina. Se desempeña como profesor titular de grado y postgrado de UADE. Cuenta con más de 20 años de experiencia como trainee de jóvenes profesionales. Presidió el Harvard Club de la Argentina. Se graduó como Contador Público en la Universidad de Belgrano y obtuvo su PMD en Harvard Business School.

Angela Me is the Chief of the Research Branch at the United Nations Office on Drugs and Crime (UNODC) where she oversees global, regional and national research in the areas of drugs (drug markets, demand, supply and trafficking of drugs) and crime (particularly violent crime and other conventional crime, transnational organized crime, trafficking in persons, and corruption). She is responsible for publications which are the global reference point of information in the areas of drugs and crime such as the World Drug Report, the Global Report on Trafficking in Persons, the Global Study on Homicide and the Afghanistan Opium Survey. Ms. Me has 20 years of experience in the United Nations having worked for the United Nations Statistics Division, the United Nations Commission for Europe and the United Nations Office on Drugs and Crime. She has authored, contributed and supervised the production of a large number of publications ranging from analytical reports, international statistical standards, discussion papers, and inter-governmental documents in the areas of drugs, crime, population, gender, disability, and migration. She has served in different advisory committees including the Scientific Committee of the European Agency for Fundamental Rights. As an Italian national, Ms. Me holds a Ph.D. in statistics from the University of Padua in Italy.

Hon. Andrea Orlando began his political career in the Communist Party and in 1990 was elected to the city council of La Spezia. In 2003 he became deputy national coordinator of the Democrats of the Left. Subsequently, he became a founding member of the Democratic Party. He has been a Member of Parliament since 2006 and has served in different parliamentary commissions. In 2008 he was appointed spokesman for the Democratic Party. In 2009 he was appointed Chair of the Party's Justice Forum and held that appointment until 2013, when he became Minister for the Environment in the Letta government. On 22 February 2014 he was sworn in by the President of the Republic, Giorgio Napolitano, as Minister of Justice in the Renzi government.

Joanna Rubinstein, DDS, PhD is President & CEO of World Childhood Foundation USA (WCF) and a Senior Research Scientist at Columbia University (CU). Founded in 1999 by Her Majesty Queen Silvia of Sweden, WCF works on the

prevention of child abuse and exploitation, and has supported over 1,000 projects in more than 20 countries. Prior to joining WCF in 2015, Rubinstein held leadership roles for a decade at the Earth Institute of CU and at the United Nations (UN). As a Chief of Staff to Prof. Jeffrey Sachs, Rubinstein helped develop and lead several international initiatives in health, education and sustainable development, including the UN Sustainable Development Solutions Network. She supported the ITU/UNESCO Broadband Commission and the MDG Advocacy Group of the UN Secretary General, and played a strategic role in establishing high-level partnership projects with academia, governments and the private sector in health, education, poverty alleviation and sustainable development. Rubinstein serves on several foundation and academic boards, and is a former member of the World Economic Forum Global Agenda Council. In 2015, she was appointed to the Governing Board of International Science, Technology and Innovation Centre for South-South Cooperation (ISTIC) at UNESCO. In 2016, Rubinstein joined the committee of the UN World Tourism Organization's Network on Child Protection, and most recently was appointed to the board of "End Violence Against Children - The Global Partnership," co-chaired by UNICEF and WHO. Before joining CU in 2002 as a Senior Associate Dean at the CU Medical Center, where she supported the foundation of the Brain and Mind Institute, Rubinstein was the Director for Research and Post-graduate Education at the Karolinska Institute and a director at Sweden's Medical Research Council.

Kevin A. Sabet, PhD Author, consultant, former advisor to three U.S. presidential administrations, and assistant professor, Kevin A. Sabet, Ph.D., has researched and implemented drug policy for 20 years. In 2011 he stepped down as senior advisor in President Obama's drug policy office, having been the only drug policy staffer to have ever served as a political appointee in a Democrat and Republican administration. He has been featured in virtually every major media publication and news channel on the subject of drug policy and in 2013 published his first book, *Reefer Sanity: Seven Great Myths About Marijuana*, (Beaufort). He is the co-founder, with former Congressman Patrick J. Kennedy, and President of SAM (Smart Approaches to Marijuana), which advocates for a public health based marijuana policy. He is also the Director of the Drug Policy Institute at the University of Florida, and the author of numerous monographs and peer-reviewed journal articles. He has a doctorate from Oxford University and a B.A. from the University of California, Berkeley.

Roberto Saviano is an Italian writer and journalist. In his work he uses literature and investigative reporting to narrate the story of the Camorra and of organized crime more generally. Since 2006, following the publication of his bestselling book GOMORRAH, where the clandestine particulars of the Camorra business are described. Saviano has received numerous threats from Camorra cartels leading The Italian Minister of the Interior to grant him a permanent police escort. His courageous stance has provoked appeals on his behalf from numerous Nobel prize winners. In his book ZeroZeroZero he produces a study of the business around the drug cocaine, covering its movement across continents and the role of drug money in international finance. Mr Saviano has also collaborated with numerous important Italian and international newspapers and currently writes for the Italian publications 'L'Espresso' and 'la Repubblica'.

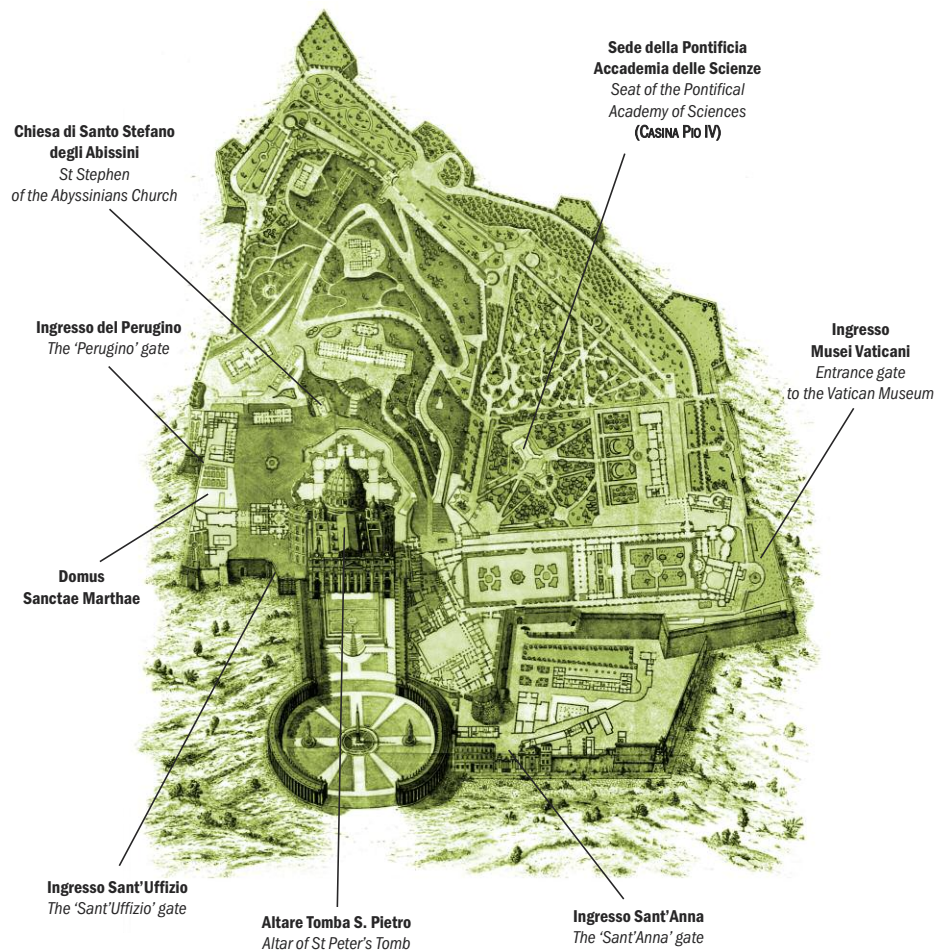
Yvonne Thunell is the Chairman of Mentor International and Mentor Sweden. Mentor is a foundation aimed at preventing drug abuse in the youth. She was also earlier Chairman and CEO of Mentor Foundation USA. Prior to this Ms. Thunell was CEO of the IT-company AXXA Corporation. She also co-founded Ericsson Programmatic (a consulting firm that later became part of the Ericsson Group). She has worked as a consultant in leadership development when she founded Career Coach, a Human Resources consulting company. Currently she works as an independent leadership coach and board professional. She has co-founded two associations in Sweden promoting ethics and quality regarding mentoring and coaching, The European Mentoring and Coaching Council (EMCC) of Sweden and The Certified Mentors Association, (DMF).

Russell Turner is a PhD student at the Department of Social Work in the University of Gothenburg. He has worked as a social researcher undertaking a number of studies and evaluations in the fields of drug misuse, youth and gang crime, criminal justice and psychosocial interventions.


Gustavo Vera is an Argentinian legislator, professor, politician and social activist. He is head of la Fundación La Alameda – a non-governmental organisation that fights against slavery, youth exploitation, pimping and drug trafficking.

Nora D. Volkow, M.D., is the Director of the National Institute on Drug Abuse (NIDA) at the National Institutes of Health since 2003. Dr. Volkow's work has been instrumental in demonstrating that drug addiction is a disease of the human brain. As a research psychiatrist and scientist, Dr. Volkow pioneered the use of brain imaging to investigate the toxic effects of drugs and their addictive properties. She has also made important contributions to the neurobiology of obesity, ADHD, and the behavioral changes that occur with aging. During her professional career, Dr. Volkow has been the recipient of multiple awards, including her selection for membership in the Institute of Medicine in the National Academy of Sciences and the International Prize from the French Institute of Health and Medical Research for her pioneering work in brain imaging and addiction science.






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 I giornalisti e gli operatori media che intendono partecipare devono inviare richiesta di accreditamento TEMPORANEO attraverso il modulo disponibile online nella sezione accrediti del sito della Sala Stampa della Santa Sede: press.vatican.va/accredimenti. Coloro che già dispongono di accredito ordinario valido devono inviare una richiesta di partecipazione secondo le consuete modalità. Tutte le richieste dovranno pervenire entro 48 ore dall'evento.

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