



Mount Sinai International Exchange Program

List of Past Projects

Below is a list of project titles and sites from the previous years. Please note that available projects will vary each year.

Molecular Biology and Genomics

| COUNTRY | PROJECT TITLE |
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| Argentina | Metagenomic association study of gut microbiota in psoriasis |
| Brazil | Blastocyst pre-implantation genetic diagnosis (PGD) of a mitochondrial DNA disorder |
| Brazil | A preliminary study of methylmercury contamination in murine neural stem cells |
| Ireland | Identification of key gene set associated with the Notch mediated response of prostate cancer cells |
| Ireland | Evaluation of a nuclear transporter protein as a novel marker of radio-resistance in prostate cancer |
| Ireland | Evaluating the effect of fisetin on radio-resistant prostate cancer cells |
| Ireland | Plasma versus urine: Battle of the liquid biopsies for non-invasive molecular detection of prostate cancer |
| Ireland | Evaluation of senescence as a mechanism of radio-resistance in two isogenic in vitro prostate cancer models |
| Ireland | Hypoxia inhibits notch-3 intracellular signaling in prostate cancer cells |
| Ireland | Potential biomarkers for human prostate cancer: miR-203 and SFRP2 |

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| Ireland | High resolution melting for the analysis of microRNA coding DNA methylation status |
| Ireland | Comparative analysis of RNA extraction techniques from urine specimens |
| Ireland | Investigation on the relationship between PSA and the radiosensitivity of aerobic and hypoxic prostate cancer cells in vitro |

ENVIRONMENT AND OCCUPATIONAL HEALTH

| COUNTRY | PROJECT TITLE |
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| Brazil | Cancer mortality among agricultural workers in the mid-west region of Brazil |
| Brazil | A review of pesticide exposure and cancer incidence in the agricultural health study cohort |
| Brazil | Extended work hours and health among nurses: Analysis of precarious employment |
| Chile | Concentrations of fine particulate matter among schools in a mining community in Chanaral, Chile |
| Chile | CIEL: A preventative approach to occupational health development |
| Mexico | Arsenic in drinking water: Policy implications in Mexico |
| Mexico | Dietary flavonoids and its association with urinary arsenic metabolites |
| Mexico | Dietary determinants of urinary molybdenum levels in Mexican women |
| Mexico | Simultaneous exposure to arsenic and phthalates and breast cancer in Mexican women: an exploratory study |
| Mexico | Long term effects of in-utero DDR exposure on children's neurodevelopment |
| Mexico | Effects of prenatal metal exposure on infant neuro and motor development: An exploratory study |
| Mexico | Hematologic profile of Mexican workers exposed to benzene-toluene-xylene (BTX) |

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| Mexico | Organochlorines exposure during first trimester of pregnancy and its effect on anogenital distance in Mexican children |
| Mexico | Water insecurity, solid waste and the risk of dengue in periurban communities in Mexico |
| South Africa | Examining the extent to which tuberculosis incidence rates in gold miners exceed those of non-miner comparison groups |
| South Africa | Public health as a human resources priority |
| South Africa | Validity and reliability of a field kit for cholinesterase estimation amongst workers exposed to organophosphate insecticides |
| Spain | The environmental factors affecting duration of breastfeeding in the first year of life: A follow-up study |
| Spain | Head circumference at birth and exposure to tobacco, alcohol and illegal drugs during early pregnancy |

HEALTH COMMUNICATION/EDUCATION

| COUNTRY | PROJECT TITLE |
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| Brazil | Addressing the social determinants of health in Latin American through education |
| Brazil | Brazilian immigrant women's transnational health literacy |
| Brazil | The use of social media for health promotion in Brazil |
| Brazil | Pesticides-risk perception and dietary habits among rural school children in Rio de Janeiro, Brazil |
| Brazil | An integrative risk perception analysis of female agricultural workers in Nova Friburgo, Rio de Janeiro, Brazil: A community-based participatory research |
| Mexico | Keeping it simple: Making chemical hazards information accessible to all |
| Spain | Long term follow-up of a tobacco prevention and cessation program in cystic fibrosis patients |
| South Africa | Patient satisfaction surveys: Do icon-based measures really capture patient feedback? |

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| South Africa | Is easy access to alcohol and alcohol advertising associated with adverse social and health outcomes amongst women in an urban and rural site in South Africa? |
| South Africa | Content analysis of online news media coverage of the HPV vaccination program in South Africa |
| South Africa | Evaluating the training of health professionals as a component of the programme to strengthen health committees in Nelson Mandela Bay Health District |
| South Africa | Extending participation: Challenges of health committees as meaningful structures for community participation |
| South Africa | Language barriers to health access in the western Cape |
| South Africa | Social marketing in health education: Models and individual applications for a Brazilian context |
| South Africa | Training trainers in health and human rights: Implementing curricula reform in South African health sciences institutions |
| South Africa | Community-based media education on human rights |
| South Africa | Cost and cost effectiveness analysis of motivational interviewing and life skills training interventions to reduce the risk of alcohol-exposed pregnancies among female farm workers in the western Cape Province, South Africa |
| Spain | Smoking prevention and cessation program in cystic fibrosis: Integrating an environmental health approach |

PEDIATRIC HEALTH

| COUNTRY | PROJECT TITLE |
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| Brazil | Association between fetal death from central nervous system anomalies and pesticide consumption in the middle west region of Brazil |
| Mexico | Differences in arsenic metabolism between Mexican boys and girls |
| Mexico | Prenatal DDE exposure and child growth during the first year of life |
| Spain | Neurobehavioral disorders from prenatal exposure to alcohol and drugs |
| Spain | Environment and pediatric cancer in the Region of Murcia, Spain: Integrating clinical and environmental history in a |

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| | geographic information system |
| Spain | Breastfeeding and anogenital distance in 2-year-old infants |
| Spain | Small area variation of childhood cancer in the municipality of Murcia, Spain |
| Spain | Description of pediatric cancer in the region of Murcia, Spain, 1998-2010 |
| Spain | Analysis of the pediatric environmental history of six childhood leukemia cases within a cancer cluster in Murcia, Spain |
| Spain | Estimated intake levels of methyl mercury in children, childbearing age and pregnant women in a Mediterranean region |
| Spain | Childhood leukemia and road traffic: A population-based case-control study |
| Spain | Parental smoking habits and pediatric cancer in Spain |

NUTRITION

| COUNTRY | PROJECT TITLE |
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| Chile | The effects of boron on women: A systematic review |
| Mexico | The role of nutrient intake and genetic polymorphism in 1-carbon metabolism and elimination efficiency |
| Mexico | Nutritional and dietary predictors of <i>Helicobacter pylori</i> seropositivity |
| Mexico | Calcium, magnesium, and fiber and the risk of death from breast cancer in Mexico |
| Mexico | Protective effect of yogurt consumption on <i>Helicobacter pylori</i> seropositivity in a Mexican population |
| Spain | Association between trace element concentrations and dietary intake in patients with exocrine pancreatic cancer |

GENDER/HUMAN RIGHTS

| COUNTRY | PROJECT TITLE |
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| Argentina | Old-based lubricant use among sex workers in Argentina |
| South Africa | Gender and health inequalities in South Africa |
| South Africa | The role of a human rights approach to health in providing a framework for civil society's full realization of rights |
| Spain | Violence against women and gastroschisis: A case-control study |

MENTAL HEALTH

| COUNTRY | PROJECT TITLE |
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| Brazil | Suicide mortality among agricultural workers in Alagoas, Brazil |
| Sweden | Testing the reliability and validity of the depression, anxiety, and positive outlook (DAPOS) questionnaire in a Swedish population project |

HIV/AIDS

| COUNTRY | PROJECT TITLE |
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| South Africa | Prevalence of coercive HIV testing in a rural town in South Africa |

OTHER

| COUNTRY | PROJECT TITLE |
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| Mexico | Prostate cancer mortality risk in Mexico: A case control study for 2009 |

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| Mexico | Concentration of urinary phthalates metabolites in Mexican women with and without diabetes |
| South Africa | Ventilation as a prevention measure to control the spread of drug-resistant tuberculosis: A literacy review |
| South Africa | Persistent respiratory symptoms following an environmental disaster in South Africa |
| Spain | Alcohol consumption before and after pregnancy |