



Mary-Claire King

Élue Associé étranger le 8 décembre 2009 dans la section de Biologie humaine et sciences médicales

Mary-Claire King, née en 1946 aux États-Unis, est Professeur à l'Université de Washington à Seattle, Département de génétique médicale et département de sciences du génome. Elle est mondialement connue pour ses travaux sur l'identification de prédispositions génétiques au cancer du sein, qui ont des applications d'importance considérable en médecine et en biologie. Elle a étendu ses recherches au domaine de l'évolution humaine et de la génétique des surdités, et plus récemment à l'autisme et à la schizophrénie. Elle a été une pionnière dans l'utilisation des techniques génétiques et notamment du séquençage de l'ADN mitochondrial pour l'identification de personnes disparues en Argentine et dans des cas de violation des droits de l'homme à travers le monde.

Mary-Claire King, born in 1946, is American Cancer Society Professor, University of Washington at Seattle since 1995. She uses genomics tools to study complex human conditions. Her primary areas of interest were inherited breast and ovarian cancer, inherited hearing loss, and the genetic bases of schizophrenia. Her goals are to identify and characterize critical genes in informative families and populations. She is interested in disentangling heterogeneous genetic influences and understanding the interaction between genetic and environmental influences on these traits. She also applies genomic sequencing to the identification of victims of human rights abuses.

Curriculum vitae

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| 1976-1995 | Professor of Genetics and of Epidemiology, University of California, Berkeley |
| 1995-present | American Cancer Society Professor, University of Washington, Seattle |
| 1998-present | Affiliate Member, Fred Hutchinson Cancer Research Center, Seattle |
| 2007-2010 | Member of the Advisory Committee to the Director of National Institutes of Health (NIH) |
| 1984-present | Consultant to National Commission on the Disappearance of Persons, Republic of Argentina |
| 1984-present | Advisor to the United Nations Forensic Anthropology Team, Genetic Identification Services |
| 1999-present | Senior Advisor to Beijing and Shanghai Genome Centers, Chinese Academy of Sciences |

Membership

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| 1993 | Fellow of the American Association for the Advancement of Science |
| 1994 | Member of the Institute of Medicine (USA) |
| 1999 | Member of the American Academy of Arts and Sciences |
| 2005 | Member of the National Academy of Sciences (USA) |

Awards

1994 Clowes Award for Basic Research, American Association for Cancer Research

1999 Brinker Award for Breast Cancer Research, Komen Foundation

2004 University of California Medal

2004 Genetics Prize, Peter Gruber Foundation

2006 Weizmann Institute Award for Women and Science

2006 A.H. Heineken Prize for Medicine, Royal Netherlands Academy of Arts and Sciences

2007 Medal of Honor for Clinical research, American Cancer Society

2008 Basic Science Award, American Society of Clinical Oncology

Le 23 avril 2010