



### 戴維·克里斯汀·沃德教授讚辭

他是著名生物學家、美國科學院院士。因在細胞遺傳學、腫瘤遺傳學、病毒學和光學成像技術等領域的先鋒研究而受到國際矚目。現任夏威夷大學癌症中心基礎科學和轉化研究副主任，同時也是澳門科技大學的特聘教授。

他所具有的勇氣、熱忱、挑戰和好奇心是所有從事科研工作的人想要成功所必須具備的素質。他在遺傳學研究和癌症研究方面碩果累累，在人類基因組計劃領域享有舉足輕重的國際地位。在耶魯大學工作時，他發明瞭一種被稱為“FISH”的技術，即“螢光原位雜交”技術。該技術現被廣泛應用於人類染色體分析中用來探測傳染病、遺傳病和各種腫瘤疾病。他利用 FISH 這一技術分析了糖尿病和多種癌症患者的 12 號染色體，最終完成了 12 號染色體的完整基因構圖。他還發表了與卵巢癌相關的研究，使得卵巢癌的早期探測成為可能。

多年來，他一直積極推進生物科技成果的轉化，擔任多家分子診斷和藥物研發科技公司的顧問，還共同成立了五家生物科技公司，其中三家已經在國家股票交易所公開交易。他的卓越成就為他贏得了多項殊榮，其中包括美國外科協會研究獎章，美國臨床化學學會伊斯特曼柯達獎，德國臨床化學學會生物化學分析研究獎。1992 年成為美國科學促進會會員，1998 年入選美國科學院院士，1999 年加拿大紐芬蘭紀念大學授予他榮譽博士學位。

他就是以細胞遺傳學、腫瘤遺傳學攻克生命科學難關，拯救了無數癌症患者生命的戴維·克里斯汀·沃德。為了表達對沃德教授生命科學成就的欽佩，謹敦請澳門特區政府社會文化司司長譚俊榮博士頒予戴維·克里斯汀·沃德教授榮譽理學博士學位。

## **Citation for Professor David Christian Ward**

Professor David Christian Ward is a renowned biologist and member of the United States National Academy of Sciences. He is internationally recognized for his pioneering research in the fields of molecular cytogenetics, cancer genetics, virology and optical imaging technology. He currently serves as Associate Director for Basic Sciences and Translation Research at the University of Hawaii Cancer Center. He is also a distinguished professor of Macau University of Science and Technology.

Prof. Ward has demonstrated courage, conviction and commitment, challenge, and curiosity in his life and studies; such qualities happen to be the most essential elements for all researchers who wish to succeed in scientific discovery. Prof. Ward is an accomplished researcher and has made great contributions to genetic research and cancer research; he is also a figure of considerable international standing in the Human Genome Project. While at Yale, Prof. Ward developed techniques called fluorescence in situ hybridization, known as FISH, which are widely used to analyze human chromosomes as well as to detect infectious, genetic and cancerous diseases. He then used FISH to achieve the complete genetic mapping of chromosome 12, which contains genes implicated in a variety of diseases, including diabetes and several forms of cancer. He's also published research on ovarian cancer, which made possible the early detection of ovarian cancer.

Throughout the years, Prof. Ward has also become an active participant in moving forward transfer of biotechnology. He has served on the Advisory Board of several successful biotechnology companies in the area of molecular diagnostics and drug discovery. He has co-founded five biotechnology companies, three of which are publicly traded on national stock exchanges. He has received numerous awards, including the Research Medal of the Surgical Society of America, the Eastman Kodak Prize of the American Association of Clinical Chemistry and the Biochemical Analysis Prize of the German Society for Clinical Chemistry. In 1992, he became a fellow of the American Association for the Advancement of Science. In 1999, he was awarded an honorary Doctorate of Science by the Memorial University of New Foundland. In 1998, he became Member of the National Academy of Sciences.

By conquering difficulties of life sciences through research in molecular cytogenetics and cancer genetics, Prof. David Christian Ward has saved the lives of numerous cancer patients. Now, to show our great admirations for his great achievements in life sciences, may we please

invite Dr. Alexis Tam Chon Weng, Secretary for Social Affairs and Culture of the Macao S.A.R., to confer Honorary Doctor of Science *honoris causa* upon Prof. David Christian Ward.