

# Mark S. Baker

## *Biography*

Prof. Mark S. Baker (Bakes) has built a dynamic medium sized (~10) research team that focuses on molecular cell proteomics. Mark has 22 years senior management experience driving programs across academic, industrial and clinical cancer discovery settings alike, ~85 peer-reviewed publications, over 20 PhD student completions, a number of patents and he currently holds many competitive grants.

His research interests include: novel proteomic biomarker discovery technologies, the biology of cancer metastasis, how proteins interact to drive biological outcome, proteases receptors and their inhibitors.

His most recent work has focused on the development of solutions to the major problem of achieving comprehensive membrane proteome coverage and how this can be used to understand the mechanisms by which ovarian, colon, breast and prostate cancer develop.

Mark is a passionate advocate for the commercialisation of Australia biotechnology and works closely with Commonwealth and State governments on roadmapping Australia's future investment in research infrastructure.

Mark is a member of the HUPO Council and Chairs their Nominations Committee. Mark led the team that recently won the bid for the HUPO World Congress to be held in Sydney from 19-24th September, 2010.

## *简历*

Mark S. Baker (Bakes) 教授建立了一个中型分子细胞蛋白质组学研究小组。他拥有 22 年在学术、工业和临床肿瘤发现领域的高层管理经验，出版了 85 本权威出版物，培养了 20 多个博士，获得多个专利与助学金。

Baker 教授的研究领域包括：新型蛋白质组生物标记物发现技术，肿瘤转移生物学原理，蛋白质相互作用引发的生物学效应，以及蛋白酶受体与蛋白酶受体抑制剂。

他最新的研究方向集中于利用膜蛋白质组学了解卵巢癌、结肠癌、乳腺癌、前列腺癌的致癌机制。

Mark 倡导将澳大利亚的生物技术商业化，建议协会与政府应紧密合作，投资建设研究的基础设施。

Mark 是 HUPO 委员会会员，并任职提名委员会主席。最近，Mark 带领他的团队赢得了 HUPO 世界议会 2010 年 9 月 19-24 日在悉尼的举办权。