

UK academic centres of research excellence (updated with results of Research Assessment Exercise 2001)

Key

5*	Quality that equates to attainable levels of international excellence in more than half the research activity submitted and attainable levels of national excellence in the remainder.
5	Quality that equates to attainable levels of international excellence in up to half the research activity submitted and to attainable levels of national excellence in virtually all the remainder
4	Quality that equates to attainable levels of national excellence in virtually all the research activity submitted, showing some evidence of international excellence
3a	Quality that equates to attainable levels of national excellence in over two-thirds of the research activity submitted

Flagged Research Groups are those which the panel considered to be at a standard equivalent to at least two points above the grade awarded to the whole submission.

Disciplines impacting on bioscience/biotechnology

01 Clinical Laboratory Sciences

Including results of subpanels in Cancer Studies, Cardiovascular Medicine, Infection and Immunology, Neuroscience

Institution	2001 Rating	Flagged Research Groups
University of Birmingham	5*	
University of Cambridge Cancer studies Infection and Immunology	5* 5* 5*	
Imperial College, University of London Cancer studies Cardiovascular medicine Infection and Immunology Neuroscience	5* 5* 5* 5* 5	
Institute of Cancer Research: Clinical Laboratory Biosciences Medical Physics	5* 5	
University of Newcastle Infection and Immunology	5* 5*	
University of Oxford Dunn School of Pathology Clinical Laboratory Sciences Cancer studies Infection and Immunology	5* 5 3a 5*	
University of Dundee Cancer studies Neuroscience	5* 5* 5*	
University of Bristol Cancer studies Infection and Immunology	5 5* 5	
King's College London Infection and Immunology	5 5*	
University of Leeds Cancer studies	5 5	
University of Liverpool Cancer studies Infection and Immunology	5 5 5	
London School of Hygiene & Tropical Medicine Infection and Immunology	5 5	
University of Southampton	5	

01 Clinical Laboratory Sciences contd

Institution	2001 Rating	Flagged Research Groups
University of Glasgow Cancer studies	5 4	
University of Wales School of Medicine Cancer studies	5 5*	
University of Aberdeen	4	
University of Bristol Neuroscience	3a	
University of Manchester	4	
University of Leicester Infection and Immunology	4 5	
University of Nottingham	3a	Allergy group
Queen Mary, University of London	3a	Spinal cord group
Queens University Belfast Cancer studies	4 5	
St George's Hospital Medical School Cancer studies	4 4	

03 Hospital-based Clinical Subjects

Including results of subpanels in Cancer Studies, Cardiovascular Medicine, Infection and Immunology, Neuroscience

Institution	2001 Rating	Flagged Research Groups
University of Cambridge Neuroscience Cardiovascular Medicine Cancer studies Infection and Immunology	5* 5* 5* 5 5*	
University of Edinburgh Neuroscience Cardiovascular Medicine Cancer studies Infection and Immunology	5* 5 5* 5* 5*	
Imperial College, University of London Neuroscience Cardiovascular Medicine Cancer studies Infection and Immunology	5* 5 5* 4 5*	
University of Oxford Neuroscience Cardiovascular Medicine Cancer studies Infection and Immunology	5* 5 4 5 5*	Dept of Cardiovascular Medicine

03 Hospital-based Clinical Subjects contd

Institution	2001 Rating	Flagged Research Groups
University College London Royal Free and University College Medical School	5	
Institute of Child Health	5*	
(a) Neuroscience	5*	
(b) Cardiovascular Medicine	5	
(c) Cancer studies	5*	
(d) Infection and Immunology	5*	
Institute of Neurology	5*	
(a) Neuroscience	5*	
Institute of Ophthalmology	5*	
University of Birmingham	5	
University of Dundee	5	
University of Exeter	5	
University of Glasgow	5	
Neuroscience	4	
Cardiovascular Medicine	5	
University of Manchester	5	
Neuroscience	3a	
Cardiovascular Medicine	5	
Cancer studies	5*	
University of Newcastle	5	
Cancer studies	5*	
University of Sheffield	5	
Neuroscience	4	
Cardiovascular Medicine	5	
Cancer studies	5	
Infection and Immunology	5*	
University of Southampton	5	
King's College London	4	Neuroimmunology
Neuroscience	3a	
Cardiovascular Medicine	4	
Cancer studies	5	
Infection and Immunology	5	
University of Leeds	4	
Cancer studies	3a	
University of Leicester	4	
Cardiovascular Medicine	5	
Infection and Immunology	4	
University of Liverpool	4	
Neuroscience	4	
Cardiovascular Medicine	3a	
Infection and Immunology	5*	
University of Nottingham	4	Gastroenterology; respiratory/therapeutics

03 Hospital-based Clinical Subjects contd

Institution	2001 Rating	Flagged Research Groups
Queen Mary, University of London	4	
St George's Hospital Medical School Cardiovascular Medicine	4 5	
University of Aberdeen Infection and Immunology	4 5*	Centre for bone research
University of Wales College of Medicine Cardiovascular Medicine Infection and Immunology	4 4 5*	
University of Bristol Cardiovascular Medicine	3a 4	University research centre for neuroendocrinology
University of Hull Cardiovascular Medicine	3a 3a	
Keele University Neuroscience Cancer studies	3a 4 5	
University of Plymouth	3a	
The Queen's University of Belfast Cardiovascular Medicine	3a 3a	Ophthalmology and vision science

05 Pre-clinical Studies

Institution	2001 Rating	Flagged Research Groups
University of Manchester	5*	
University of Sheffield	5*	
University of Birmingham	5	
Imperial College of Science, Technology and Medicine	5	
King's College London	5	
St George's Hospital Medical School	5	

06 Anatomy

Institution	2001 Rating	Flagged Research Groups
University of Birmingham	5*	
University of Bristol	5*	
King's College London	5*	
University of Cambridge	5	
University of Oxford	5	
University College London	5	
University of Liverpool	4	

07 Physiology

Institution	2001 Rating	Flagged Research Groups
University of Liverpool	5*	
University of Leeds	5	
University of Newcastle	5	
University of Oxford	5	
University of Aberdeen	5	
University of Bristol	4	
University of Cambridge	4	
University College London	4	
University of Edinburgh	4	
St George's Hospital Medical School	3a	

08 Pharmacology

Institution	2001 Rating	Flagged Research Groups
University of Oxford	5*	
University College London	5*	
University of Cambridge	5	
University of Leicester	5	
University of Liverpool	5	
University of Bristol	4	
Queen Mary, University of London	4	
University of Edinburgh	4	
University of Hertfordshire	3a	

09 Pharmacy

Institution	2001 Rating	Flagged Research Groups
University of Bath	5*	
University of Manchester	5*	
Institute of Cancer Research	5	
King's College London	5	
University of Nottingham	5	
School of Pharmacy	5	
University of Strathclyde	5	
Cardiff University	5	
University of Bradford	4	
The Queen's University of Belfast	4	
Aston University	3a	
University of Sunderland	3a	

11 Other Studies and Professions Allied to Medicine

Institution	2001 Rating	Flagged Research Groups
University of Manchester Institute of Science & Technology	5*	
University of Surrey	5*	
Cardiff University	5*	
University of Ulster Biomedical Sciences	5*	
Rehabilitation Sciences	4	
Aston University	5	
University of Bradford Bioomedical Sciences	5	
Optometry	4	
University of Brighton Biomedical Sciences	5	
City University Optometry and Visual Sciences	5	
Language and Communication Science	3a	
Measurement & Information in Medicine	3a	
King's College London Nutrition and Dietetics	4	
Gerontology	5	
Applied Biomedical Sciences	4	
University of Leeds	5	
University of Manchester	5	
Nottingham Trent University	5	
University of Portsmouth	5	
University College London	5	
University of Strathclyde	5	
De Montford University	4	
Liverpool John Moores University	4	
Loughborough University	4	
University of Sheffield Human Communication Sciences	4	
Psychotherapeutics Studies	3a	
Sheffield Hallam University Biomedical Studies	4	
Glasgow Caledonian University Vision Sciences	4	
Biological and Biomedical Sciences	4	
Napier University	4	

11 Other Studies and Professions Allied to Medicine

Institution	2001 Rating	Flagged Research Groups
Queen Margaret University College Edinburgh Speech and Language Disorders Social Sciences in Health Nutrition	4 3a 3a	
Brunel University	3a	
Chester College of Higher Education	3a	
Coventry University	3a	
University of East Anglia Health Policy and Practice	3a	
Goldsmith College	3a	
University of Greenwich	3a	
Kingston University	3a	
University of Liverpool	3a	
University of North London	3a	
St George's Hospital Medical School	3a	
University of Salford	3a	
University of Southampton	3a	
University of Teeside	3a	
University of West of England, Bristol	3a	
University of Westminster	3a	
University of Wolverhampton	3a	

14: Biological Sciences (includes biochemistry)

Institution	2001 Rating	Flagged Research Groups
University of Bristol Biological Sciences Biochemistry	5 5*	
University of Cambridge Biochemistry Genetics Plant Sciences Zoology Biotechnology	5* 5 5 5* 5	
Institute of Cancer Research	5*	
Imperial College, University of London	5*	
University of Leicester Biochemistry Biology Genetics	5 5 5*	
University of Manchester	5*	
University of Newcastle	5*	
University of Sheffield Animal and Plant Sciences Molecular and Cellular Biology	5* 5*	

14: Biological Sciences (includes biochemistry)

Institution	2001 Rating	Flagged Research Groups
University of Dundee	5*	
University of Bath	5	
Birbeck College Crystallography Biol/Chem	5 3a	
University of Birmingham	5	
University of Durham	5	
University of East Anglia	5	
King's College London Life Sciences Biophysics	3a 5	
University of Leeds	5	
University of Liverpool	5	
University of Manchester Institute of Science and Technology	5	
University of Nottingham Life and Environmental Science Genetics	3a 5	
University of Oxford Plant Sciences	4	Molecular & biochemical basis of development
Zoology	5	
Biochemistry	5	
Royal Holloway, University of London	5	
University of Southampton	5	
University of Sussex	5	
University College London Biochemistry and Molecular Biology Biology	5 5	
University of Warwick	5	
University of York	5	
University of Aberdeen	5	
University of Edinburgh	5	
University of Glasgow	5	
University of St Andrews	5	
Cardiff University Mammalian and Medical Biology Ecological and Environmental Biology	5 4	

15: Agriculture

Institution	2001 Rating	Flagged Research Groups
University of Nottingham	5	
University of Reading Agriculture Plant Sciences	5 5	
University of Aberdeen Agriculture and Forestry Plant Sciences	3a 5	
University of Stirling	5	

15: Agriculture contd

Institution	2001 Rating	Flagged Research Groups
University of Wales, Bangor	5	
Imperial College	4	Plant Molecular Biology and Physiology
University Marine Biological Station, Millport	4	
University of Newcastle	4	
Queen's University Belfast	4	
University of Greenwich	3a	
University of Plymouth	3a	
Royal Agricultural College	3a	
University of Wales, Aberystwyth	3a	

16: Food Science and Technology

Institution	2001 Rating	Flagged Research Groups
University of Leeds	5*	
University of Nottingham	5	
University of Reading	5	
Heriot-Watt University	4	
Queen's University Belfast	4	
South Bank University	3a	
University of Strathclyde	3a	

17: Veterinary Science

Institution	2001 Rating	Flagged Research Groups
University of Bristol	5	
University of Cambridge	5	
University of Liverpool	5	
Royal Veterinary College	5	
University of Edinburgh	5	
University of Glasgow	5	

18: Chemistry

Institution	2001 Rating	Flagged Research Groups
University of Bristol	5*	
University of Cambridge	5*	
University of Durham	5*	
Imperial College	5*	
University of Oxford	5*	
University College London	5*	
University of Birmingham	5	
University of East Anglia	5	

18: Chemistry contd

Institution	2001 Rating	Flagged Research Groups
University of Leeds	5	
University of Liverpool	5	
University of Manchester	5	
University of Nottingham	5	
University of Sheffield	5	
University of Southampton	5	
University of Sussex	5	
University of Warwick	5	
University of York	5	
University of Edinburgh	5	
University of St Andrews	5	
University of Bath	4	
University of Exeter	4	
University of Hull	4	
Kings College London	4	
University of Leicester	4	
Loughborough University	4	
University of Manchester Institute of Science and Technology	4	
University of Newcastle	4	
University of Reading	4	
University of Glasgow	4	
Heriot Watt University	4	
University of Strathclyde	4	
University of Wales, Swansea	4	
Cardiff University	4	
Queen's University Belfast	4	
De Montfort University	3a	
Keele University	3a	
Nottingham Trent University	3a	
Open University	3a	
Queen Mary College, University of London	3a	
University of Surrey	3a	
University of Aberdeen	3a	
University of Wales, Bangor/ North East Wales Institute of Higher Education	3a	

21: Environmental Sciences

Institution	2001 Rating	Flagged Research Groups
University of East Anglia	5*	
University of Reading	5*	
University of Leeds	5	
University of Southampton	5	
University of Exeter	4	
Imperial College	4	
Manchester Metropolitan University	4	
University of Newcastle	4	
University of Plymouth	4	

21: Environmental Sciences contd

Institution	2001 Rating	Flagged Research Groups
University of Sheffield	4	
University of York	4	
University of Abertay, Dundee	4	
The University of the Highlands and Islands	4	
University of Wales, Bangor	4	
Napier University	3a	
University of Stirling	3a	

25: Computer Science

Institution	2001 Rating	Flagged Research Groups
University of Cambridge	5*	
University of Edinburgh	5*	
Imperial College	5*	
University of Manchester	5*	
University of Southampton	5*	
University of York	5*	
University of Birmingham	5	
University of Bristol	5	
Cardiff University	5	
University of Glasgow	5	
Lancaster University	5	
University of Leeds	5	
University of Liverpool	5	
University of Newcastle	5	
University of Nottingham	5	
University of Oxford	5	
University of Plymouth	5	
Royal Holloway, University of London	5	
University of Sheffield	5	
University of St Andrews	5	
University of Sussex	5	
University College London	5	
University of Wales, Swansea	5	
University of Warwick	5	
University of Aberdeen	4	
University of Bath	4	
Birbeck College	4	
University of Bradford	4	
University of Brighton	4	
City University	4	
De Montfort University	4	
University of Dundee	4	
University of Durham	4	
University of East Anglia	4	
University of Essex	4	
University of Exeter	4	
University of Glamorgan	4	

25: Computer Science contd

Institution	2001 Rating	Flagged Research Groups
University of Greenwich	4	
Heriot Watt University	4	
University of Hertfordshire	4	
University of Kent, Canterbury	4	
Kings College London	4	
University of Leicester	4	
University of Manchester Institute of Science and Technology	4	
Queen Mary College, University of London	4	
Queens University, Belfast	4	
University of Reading	4	
South Bank University	4	
University of Ulster	4	
University of Wales, Aberystwyth	4	
University of Huddersfield	3a	
University of Hull	3a	
Liverpool John Moores University	3a	
Loughborough University	3a	
Manchester Metropolitan University	3a	
Middlesex University	3a	
Nottingham Trent University	3a	
Open University	3a	
University of Sunderland	3a	
University of West of England	3a	
University of Westminster	3a	
Napier University	3a	
University of Paisley	3a	
Robert Gordon University	3a	
University of Strathclyde	3a	

27: Chemical Engineering

Institution	2001 Rating	Flagged Research Groups
University of Birmingham	5*	
University College London	5*	
University of Cambridge	5	
University of Manchester Institute of Science and Technology	5	
University of Newcastle	5	
University of Surrey Centre for Environmental Strategy	5	
University of Bath	4	
Loughborough University	4	
University of Sheffield	4	
University of Surrey Chemical Engineering	4	
University of Edinburgh	4	
Heriot-Watt University	4	

27: Chemical Engineering contd

Institution	2001 Rating	Flagged Research Groups
Queens University, Belfast	4	
University of Bradford	3a	
South Bank University	3a	