

SPIRE

A Bolometer Instrument for FIRST

A Proposal to the European Space Agency

Principal Investigator :	Dr. Matt Griffin	QMW, London
Co-Principal Investigator:	Dr. Laurent Vigroux	SAP, Saclay
Project Manager:	Dr. Ken King	RAL, Oxfordshire

Co-Investigators:

Prof. Peter Ade	QMW, London
Dr. Philippe André	SAP, Saclay
Dr. Jean-Paul Baluteau	LAS, Marseille
Dr. James Bock	JPL, Pasadena
Dr. Pierre Cox	IAS, Orsay
Dr. Roger Emery	RAL, Oxfordshire
Prof. Alberto Franceschini	Padova Observatory
Dr. Walter Gear	MSSL, Surrey
Dr. Emmanuel Lellouch	Observatoire de Meudon, Paris
Dr. Harvey Moseley	GSFC, Maryland
Dr. Ismael Perez-Fournon	IAC, Tenerife
Dr. Göran Olofsson	Stockholm Observatory
Dr. Paolo Saraceno	IFSI, Rome
Prof. Michael Rowan-Robinson	Imperial College, London
Dr. Gillian Wright	Royal Observatory Edinburgh

Front cover: Infrared, visible and submillimetre images of M16, the Eagle Nebula, a region of active star formation. Lower left: a 7- μ m image taken with ISOCAM; middle: an image taken with the WFPC2 instrument on HST; top right: an 850- μ m image made with the SCUBA submillimetre camera on the James Clerk Maxwell Telescope, Hawaii. The ISOCAM was provided by Göran Pilbratt, ESTEC, and the SCUBA image by Glenn White, QMW. The HST image was created with support to SpaceTelescope Science Institute, operated by the Association of Universities for Research in Astronomy, Inc., from NASA contract NAS5-26555 and is reproduced with permission from AURA/STScI.

Names and contact details of SPIRE Co-Investigators

Principal Investigator

Dr. Matt Griffin

Physics Department.
Queen Mary and Westfield College
London E1 4NS
England

Tel.: +44-171-975-5068
Fax: +44-181-980-0986
E-mail: m.j.griffin@qmw.ac.uk

Co-Principal Investigator

Dr. Laurent Vigroux

CEA - Service d'Astrophysique
CEA Saclay, Bât. 709
Orme des Merisiers
91191 Gif sur Yvette, France

Tel.: +33-1-69-08-39-12
Fax: +33-1-69-08-65-77
E-mail: lvigroux@cea.fr

Project Manager

Dr. Ken King

Rutherford Appleton Laboratory
Chilton, Didcot
Oxfordshire OX11 0QX
England

Tel.: +44-1235-44-6558
Fax: +44-1235-44-6667
E-mail: k.j.king@rl.ac.uk

Co-Investigators

Prof. Peter Ade

Physics Department
Queen Mary and Westfield College
London E1 4NS
England

Tel.: +44-171-975-5032
Fax: +44-181-980-0986
E-mail: p.a.r.ade@qmw.ac.uk

Dr. Philippe André

CEA - Service d'Astrophysique
CEA Saclay, Bât. 709
Orme des Merisiers
91191 Gif sur Yvette, France

Tel.: +33-1-69-08-92-65
Fax: +33-1-69-08-92-66
E-mail: pandre@cea.fr

Dr. Jean-Paul Baluteau

Laboratoire d'Astronomie Spatiale
BP 8
13376 Marseille Cedex 12
France

Tel.: +33-4-91-05-59-30
Fax: +33-4-91-66-18-55
E-mail: baluteau@astrsp-mrs.fr

Dr. James Bock

Jet Propulsion Laboratory
MS 169-327
Pasadena, CA 91109
USA

Tel.: +1-626-395-2017
Fax: +1-626-584-9929
E-mail: jjb@astro.caltech.edu

Dr. Pierre Cox

Institut d'Astrophysique Spatiale
Bât. 121
Université Paris Sud
91405 Orsay, Paris, France

Tel.: +33-1-69-85-87-37
Fax: +33-1-69-85-86-75
E-mail: cox@ias.fr

Dr. Roger Emery

Rutherford Appleton Laboratory
Chilton, Didcot
Oxfordshire OX11 0QX
England

Tel.: +44-1235-44-6711
Fax: +44-1235-44-6667
E-mail: r.j.emery@rl.ac.uk

Prof. Alberto Franceschini

Dipartimento di Astronomia di Padova
vicolo Osservatorio 5
I-35122 Padova
Italy

Tel.: +39-49-829-3441
Fax: +39-49-875-9840
E-mail: franceschini@astrpd.pd.astro.it

Dr. Walter Gear

Mullard Space Science Laboratory
Holmbury St. Mary,
Dorking, Surrey RH5 6NT
England

Tel.: +44-1483-204-182
Fax: +44-1483-278-312
E-mail: wkpg@mss1.ucl.ac.uk

Dr. Emmanuel Lellouch

Observatoire de Paris-Meudon
5 place Jules Janssen
92195 Meudon Cedex, Paris, France

Tel.: +33-45-07-76-97
Fax: +33-1-45-07-28-06
E-mail: lellouch@megasy.obspm.fr

Dr. Harvey Moseley

Goddard Space Flight Center
Mailstop 685.0
Greenbelt, MD 20771
USA

Tel.: +1-301-286-2347
Fax: +1-301-286-1753
E-mail: moseley@stars.gsfc.nasa.gov

Dr. Ismael Perez-Fournon

Instituto de Astrofísica de Canarias
C/Via Láctea s/n
E38200 La Laguna, Tenerife
Islas Canarias, Spain

Tel.: +34-22-605-272
Fax: +34-22-605-210
E-mail: ipf@ll.iac.es

Dr. Göran Olofsson

Stockholm Observatory
S-133 36 Saltsjöbaden
Sweden

Tel.: +46-8-16-44-55
Fax: +46-8-717-47-19
E-mail: olofsson@astro.su.se

Prof. Michael Rowan-Robinson

Blackett Laboratory
Imperial College
Prince Consort Rd.
London SW7 2BZ
England

Tel.: +44-171-594-7530
Fax: +44-171-594-7777
E-mail: m.rrobinson@ic.ac.uk

Dr. Paolo Saraceno

Ist. di Fisica dello Spazio
Interplanetario, CNR
Area di Ricerca Tor Vegata
via Fosso del Cavaliere
00133-Roma, Italy

Tel.: +39-6-4993-4398
Fax: +39-6-4993-4383
E-mail: saraceno@ifsi.rm.cnr.it

Dr. Gillian Wright

Royal Observatory
Blackford Hill
Edinburgh EH9 3HJ
Scotland

Tel.: +44-131-668-8248
Fax: +44-131-668-1130
E-mail: gsw@roe.ac.uk

SPIRE Associate Scientists

Alain Abergel	Institut d'Astrophysique Spatiale, Orsay
Mike Barlow	University College, London
James Bartlett	Centre de Données Stellaires, Paris
Jean-Philippe Bernard	Institut d'Astrophysique Spatiale, Orsay
Chas Beichmann	Infrared Processing and Analysis Center, Pasadena
Robert Bingham	Rutherford Appleton Laboratory, Oxfordshire
Alessandro Boselli	Laboratoire d'Astronomie Spatiale, Marseille
François Bouchet	Institut d'Astrophysique Spatiale
Bruno Carli	Istituto Ricerca Onde Elettromagnetiche, Firenze
Véronique Buat	Laboratoire d'Astronomie Spatiale, Marseille
Mark Casali	Royal Observatory Edinburgh
Jordi Cepa	Instituto de Astrofisica de Canarias
Sarah Church	Caltech, Pasadena
Régis Courtin	Observatoire de Meudon (DESPA) Paris
Jacques Crovisier	Observatoire de Meudon, Arpèges
Colin Cunningham	Royal Observatory Edinburgh
Gary Davis	University of Saskatchewan, Alberta
Jean-Michel Deharveng	Laboratoire d'Astronomie Spatiale, Marseille
Anna Maria Di Giorgio	Istituto di Fisica dello Spazio Interplanetario, Rome
William Duncan	Royal Observatory Edinburgh
Andreas Efstathiou	Imperial College, London
David Elbaz	Service d'Astrophysique, Saclay
Jim Emerson	Queen Mary and Westfield College, London
Thérèse Encrenaz	Observatoire de Meudon, Paris
Claes Fransson	Stockholm Observatory
Jason Glenn	Caltech, Pasadena
Cécile Gry	Laboratoire d'Astronomie Spatiale, Marseille
Erich Grossman	National Institute of Standards and Technology, Boulder
Bruno Guiderdoni	Institut d'Astrophysique de Paris
Peter Hamilton	Queen Mary and Westfield College, London
David Hughes	University of Edinburgh
Ian Hepburn	Mullard Space Science Laboratory, Surrey
Kent Irwin	National Institute of Standards and Technology, Boulder
Rob Ivison	Royal Observatory Edinburgh
Jean-Michel Lamarre	Institut d'Astrophysique Spatiale, Orsay
Andrew Lange	Caltech, Pasadena
Andy Lawrence	University of Edinburgh
Suzanne Madden	Service d'Astrophysique, Saclay
Bruno Maffei	Queen Mary and Westfield College, London
Roberto Maiolino	Osservatorio Astrofisico di Arcetri, Florence
André Marten	Observatoire de Meudon, Paris
Felix Mirabel	Service d'Astrophysique, Saclay
Thierry Montmerle	Service d'Astrophysique, Saclay
Seb Oliver	Imperial College, London
Hans Olofsson	Stockholm Observatory
Alain Omont	Institut d'Astrophysique de Paris
François Pajot	Institut d'Astrophysique Spatiale
Daniel Rouan	Observatoire de Meudon, Paris
Carl Reintsema	National Institute of Standards and Technology, Boulder
Marc Sauvage	Service d'Astrophysique, Saclay
Luigi Spinoglio	Istituto di Fisica dello Spazio Interplanetario, Rome
Jason Stevens	Mullard Space Science Laboratory, Surrey
Rashmi Sudiwala	Queen Mary and Westfield College, London
Tim Sumner	Imperial College, London
Bruce Swinyard	Rutherford Appleton Laboratory, Oxfordshire
Sarah Unger	Queen Mary and Westfield College, London
Leonardo Vanzi	Osservatorio Astrofisico di Arcetri, Florence
Helen Walker	Rutherford Appleton Laboratory, Oxfordshire
Steve Warren	Imperial College, London
Glenn White	Queen Mary and Westfield College, London