

DAVID M J LILLEY FRS, FRSE, FRSC

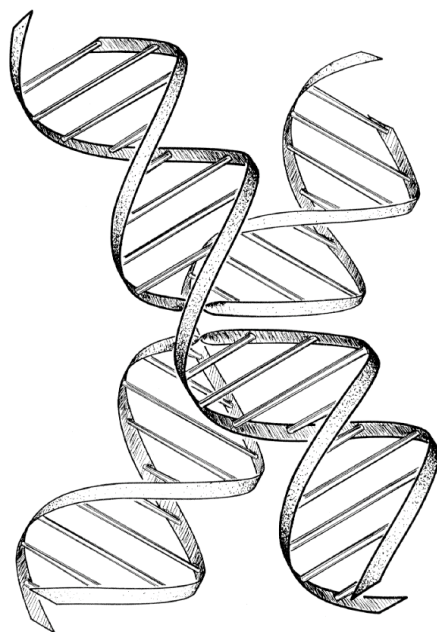
CURRICULUM VITAE

PUBLICATION LIST

Professor of Molecular Biology,
University of Dundee

and

Director,
CR-UK Nucleic Acid Structure Research Group.



February 2012

HONOURS

- 1982 20th Colworth Medal winner. Annual award by the Biochemical Society to a British Biochemist under the age of 35 for 'work of outstanding merit'.
- 1984 Elected a Member of the European Molecular Biology Organisation.
- 1988 Elected a Fellow of the Royal Society of Edinburgh.
- 1989 Awarded Personal Chair in Molecular Biology
- 1993 Appointed Director, CRC Nucleic Acid Structure Research Group
- 1994 Awarded Gold Medal of G.J. Mendel In Biological Sciences by the Czech Academy of Sciences.
- 1996 Prelog Vorlesung and Gold Medal in Stereochemistry by the Laboratorium für Organische Chemie at the ETH, Zürich.
- 2001 Royal Society of Chemistry Award in RNA and Ribozyme Chemistry.
- 2002 Elected a Fellow of the Royal Society.
- 2003 Fellow of the Royal Society of Chemistry.
- 2006 Royal Society of Chemistry Interdisciplinary Award.

PERSONAL RESEARCH FELLOWSHIPS

- 1983-1990 Royal Society Research Fellowship in Biological Sciences
- 1991-1996 SERC Senior Research Fellowship

DATE OF BIRTH: 28 May 1948.
PLACE OF BIRTH: Colchester, England.
QUALIFICATIONS: BSc MSc PhD.
LANGUAGES: English, French, Chinese, German

EDUCATION

1959-1966 The Gilbert School, Colchester, England.
General Certificate of Education:
Ordinary Level - 9 subjects
Advanced Level - 3 subjects
Special paper passed with distinction in chemistry

1966-1969 B.Sc in Chemistry, University of Durham - 1st class honours.
Dissertation on "The mechanism of action of Chymotrypsin".

1969-1972 Ph.D. in Physical Chemistry, University of Durham, England.
Thesis entitled "Theoretical and experimental investigations of structure, reactivity and bonding in some organic systems"
Supervisor: Professor DT Clark.

1972-1973 M.Sc. in Biochemistry, Imperial College, University of London
Course entitled "Biochemical mechanisms, Enzymology and Biochemical Techniques".
M.Sc. passed with distinction, and awarded the Ewart Stickings Memorial Prize for Excellence in Biochemistry.

APPOINTMENTS

1973-1975 Research Fellow, University of Warwick, UK.

1975-1976 ICI Research Fellow, University of Oxford, UK.

1976-1981 Senior Research Investigator, Biophysics Dept., and later Dept. of Molecular Genetics, Searle Research Laboratories, High Wycombe, UK.

1981-1984 Lecturer in Biochemistry, University of Dundee, UK.

1983-1990 Awarded Royal Society Research Fellowship, 5 years. 2 year extension awarded, 1988.

1984-1989 Reader in Biochemistry, University of Dundee, UK.

1989-present Professor of Molecular Biology, University of Dundee, UK.

1991-1996 SERC Senior Research Fellow

1993-present Director, CR-UK Nucleic Acid Structure Research Group

SOCIETY ACTIVITIES

British Society for Cell Biology	Member of Committee 1981-1983
Nucleic Acids and Molecular Biology Group (Biochemical Society, RSC from 2003)	Coopted Member of Committee 1982-1983 Member of Committee 1983-1989 Secretary of Group 1985-1988 Coopted Member of Committee 1996-1997 Chairman 2004-present
Biochemical Society	Member of Genes panel 2003-present
Biophysical Society	Member of Committee 1983-1986
Tenovus Symposium	Member of Committee 1981-1988
Royal Society of Edinburgh	Fellowships committee 1998-2000
Royal Society of Chemistry	Chemical Biology Forum 2001-present Executive 2002 – 2006
RNA Society (international)	Chair of Meetings Committee 2006-present
Royal Society	Sectional committee 6 2002-2005 Paul Instrument Fund committee 2005-present Elected member of Council 2005-2007 Library committee 2007-2010 Regular consultant on Chinese issues.

EDITORIAL RESPONSIBILITIES

<i>EMBO Journal</i>	Member of Editorial Board 1986-1989
<i>Nucleic Acids Research</i>	Member of Editorial Board, current
<i>Journal of Biomolecular Structure and Dynamics</i>	Member of Editorial Board, current
<i>Biochemical Journal</i>	Editorial Advisor to 1979-1987
<i>Technique</i>	Member of Editorial Board to 1992
<i>BioEssays</i>	Member of Editorial Board 1990
<i>Methods</i>	Member of Editorial Board, current
<i>Gene</i>	Editor 1996-2001
<i>Biopolymers: Nucleic Acids</i>	Member of Editorial Board, current
<i>Nucleic Acids and Molecular Biology</i> (Springer Verlag)	Joint Editor with Professor F Eckstein 1987-1998
<i>Methods in Enzymology</i>	Two volumes (211, 212) edited with Professor J Dahlberg
<i>RNA</i>	Member of Editorial Board, current
<i>Journal of Fluorescence</i>	Member of Editorial Board, current
<i>Quart Reviews Biophysics</i>	Member of Editorial Board, current
<i>Royal Society of Chemistry</i>	Series Editor for Biomolecular Science book series

COMMITTEE RESPONSIBILITIES

1988 - 1990	Institut Laue-Langevin, Grenoble, France. Member of scientific committee 8 (biology).
1992 - 1995	Member of Comité Scientifique du Centre de Biophysique Moléculaire d'Orléans (CNRS).
1994	Chairman of IUBMB Expert Panel on <i>Nomenclature of Branched Nucleic Acids</i>
1997 - 2000	Member of EPSRC/BBSRC Biomolecular Sciences Committee
1997	Member of Comité d'Evaluation Scientifique, Institut Pasteur
2002 – 2005	RSC Chemical Biology Forum Executive, founding member
2003 - 2005	Member of Royal Society Sectional Committee 6
2003	Portfolio review panel for BBSRC-BMS
2004 – present	Chairman of RSC Nucleic Acid Group committee
2004	Co-organiser FASEB meeting on <i>Nucleic Acids Enzymes 2004</i> , Vermont USA Organiser of Biochem Soc-RSC conference on <i>RNA</i> , Edinburgh University
2005	Lead organiser <i>RNA Society</i> annual conference 2005, Banff, Canada
2005-2007	Elected member of the Council of the Royal Society
2006	Lead organiser RSC conference on Single Molecules, University of Cambridge
2007 – present	Chair, RNA Society Meetings Committee
2009, 2010, 2012	Organizer Zing conference on Nucleic Acid chemistry, Mexico.
2011	Organizer Royal Society Discussion Meeting on Origins of Life

INVITATIONS TO INTERNATIONAL CONFERENCES

1992

- March Cambridge, EC Meeting on *Chromatin and DNA Topoisomerases*, Invited Speaker.
April Austin, TX, USA, 1st Austin Spring Meeting on *DNA-protein complexes*, Invited Speaker.
April Sheffield, *Recognition Studies on Nucleic Acids II*, Invited Speaker.
May Wildbad Kreuth, FRG, *Meeting on Analysis of Protein-Nucleic Acid Complexes*, Invited Speaker and Chairman.
May Trieste, Italy, Guest Lecturer in ISGEB course in Molecular Genetics.
May Seillac, France, EMBO meeting on *Genetic Recombination*, Invited Speaker.
May Gregynog, Wales, 26 EBSOC Symposium on *Molecular Studies and Cell Proliferation*, Invited Speaker.
June Newport, RI, USA, Gordon Conference on *Biopolymers*, Invited Speaker.
July Arden House, Harriman, NY, USA, Columbia University P&S Symposium on *Protein-Nucleic Acid Interactions*, Invited Speaker.
September Glasgow, Biochemical Society Symposium on Electrophoresis, Invited Speaker.
September Berlin, FRG, Workshop on *Site-Specific Recombination and Transposition*; Invited Speaker.
November Bethesda, MD, USA, NIH Fogarty Conference on *Structures, Conformations and Interactions of Nucleic Acids*, Invited Speaker.
December Leicester, Biophysical Society Meeting on *Proteins and DNA Topology*, Invited Speaker.

1993

- January Bangalore, India, Meeting on *DNA structure-function*, Invited Speaker
April University of York, SERC-MRI workshop on *Molecular Recognition*, Invited Speaker
April Université de Liège, Belgium, One-day meeting on *Nucleic Acids: structures, interactions with proteins and drugs*, Invited Speaker
May EMBL, Heidelberg, Conference on *Structural Biology*, Invited Speaker
June New Hampton, NH, USA, Gordon Conference on *Nucleic Acids*, Invited Speaker
June Albany, NY, USA, 8th Conversation on *Biomolecular Stereodynamics*, Invited Speaker.
July Brno, Czech Republic, Conference on *Analysis of Structure of Biomacromolecules and their interactions with environmental cytotoxic agents*, Invited Speaker.
August Copenhagen, Denmark, International Meeting on *DNA recognition*, Invited Speaker.
December University of London, Biophysical Society Meeting on *DNA Structure and Recognition; 40 years on*, Invited Speaker.

1994

- February Keystone, CO, USA, Keystone Symposium on *Basic Aspects of Transcription*, Invited speaker
March Institut Pasteur, Paris, France, Workshop on RNA Polymerase, Invited speaker
March Swansea University, Wales, Genetical Society Symposium on *Genetic Regulation*, Invited speaker
April Paris, France, Symposium (in French) on *DNA-Protein Interactions*, Invited speaker
June Seillac, France, EMBO workshop on *Genetic Recombination*, Invited speaker
June Royal Society, London, Discussion Meeting on *DNA Repair and Recombination*, Invited speaker
July Birmingham University, Royal Society of Chemistry Symposium on *Recognition Processes*, Invited speaker.
September Woods Hole, MA, US workshop on *Site-specific recombination and transposition* Invited participant
December University of Sussex, Symposium on *Molecular Liasons* Invited speaker.

1995

- February Lorne, Victoria, Australia Lorne Conference on *Expression of the Genome*, Invited speaker
March Barcelona, Spain, Workshop on *HMG proteins* Invited speaker
April Sheffield, NACONIII workshop on *Molecular Recognition* Invited speaker and Chairman
June Copenhagen, Denmark, EMBO course on *Metal Complexes and DNA*, Invited speaker and teacher
June Albany, NY, USA, 9th Conversation on *Biomolecular Stereodynamics*, Invited chairman
July Saxtons River, VE, USA, FASEB conference on *Initiation of Transcription in Prokaryotes*, Invited

Speaker
 August Snowmass, CO, USA, FASEB conference on *Recombination*, Invited Speaker
 September Amsterdam, Netherlands, ECS 6th Conference on *Topoisomerases in Therapy*, Invited Speaker
 September Hannover, FRG, *Meeting of German Biochemical Society*, Invited Speaker
 September Wildbad Kreuth, FRG, EMBO meeting on *DNA-Protein Interactions*, Invited Speaker
 November Santa Fe, NM, USA, *Program on Mathematical Biology*, Invited Speaker and Chairman

1996

February Milan, Italy, EU Network meeting on *HMG proteins*, Invited Speaker
 March St Andrews, RSC Spring Meeting on *Complexcarbohydrates, structure recognition and synthesis*, Invited Speaker
 April Leicester, BBS Discussion meeting on *NMR of Proteins*, Invited Speaker
 April Bürgenstock, Switzerland, Bürgenstock Conference on *Stereochemistry*, Invited Speaker
 May Seillac, France, EMBO workshop on Genetic Recombination, Invited Speaker
 May Madison, WI, USA, RNA Society meeting on *RNA*, Invited Speaker
 August Amsterdam, Netherlands, *XII International Biophysics Congress*, Invited Speaker
 September Madrid, Spain, March Foundation conference on *Telomeres and Centromeres*, Invited Speaker
 September Figeac, France, *Réunion de la Société Française de Biophysique*, Invited Speaker (in French)
 September Paris, France Ecole IMABIO on *Analyse fonctionnelle des conformations de l'ADN*, Invited speaker (in French)

1997

April Orléans, France, EU Network meeting on *HMG proteins*, Invited Speaker
 April Bürgenstock, Switzerland, Bürgenstock Conference on *Stereochemistry*, Invited Moderator
 June Albany, NY, USA, 9th Conversation on Biomolecular Stereodynamics, Invited chairman
 June Santa Cruz, CA, USA Conference on *RNA Structure*, Invited speaker
 July Dundee, Biochemical Society symposium on *Nucleic acid-protein interactions*, Organiser, chairman and speaker
 September Cambridge, Symposium on *Oligonucleotides*, Invited speaker and chairman

1998

January British Biophysical Society meeting on *Structure, function and dynamics of Nucleic Acids*, University of Surrey, Invited speaker
 January BBSRC/EPSRC Biomolecular Sciences Workshop on *Chemistry at the biological interface* Invited chairman
 February Opening Symposium for Astbury Building for Biomolecular Structure, University of Leeds, Invited speaker
 February Biophysical Society Meeting, Kansas City, Invited speaker
 April NACON meeting IV, University of Sheffield, Invited speaker and chairman
 May NATO workshop on Structural Biology, Trieste, Italy, Invited speaker and chairman
 May EMBO workshop on Recombination, Seillac, France, Invited speaker and chairman
 May RNA Society meeting, Madison, USA, Invited speaker
 August EMBO workshop on Metal Ions and Nucleic Acids, Copenhagen, Invited speaker
 September German Biochemical Society, Jena, Invited speaker
 November Beckman Symposium on Recombination, Los Angeles, USA, Invited speaker

1999

February Panum Institut, Copenhagen Symposium, Invited speaker
 April Juan March Symposium on *Recombination*, Madrid, Invited speaker
 May Swedish *Strategic Nucleic Acid Research Symposium*, Stockholm, Invited speaker
 June Albany, NY, USA, 10th Conversation on *Biomolecular Stereodynamics*, Invited chairman
 June FEBS meeting, Nice, Invited speaker
 July 11th European *Symposium on Organic Chemistry*, Göteborg, Invited speaker
 August 18th *Crystallography Conference*, Glasgow, Co-chairman and invited speaker
 September Royal Soc Chemistry Conference, Heriot-Watt Edinburgh, Invited speaker
 October American Mathematical Society, Austin, Texas, Invited speaker

October Symposium on *Computation in Biology*, Dallas, Texas, Invited speaker
November DFG Symposium on *RNA Biochemistry*, Bayreuth, Invited speaker

2000

January Ventura, CA, USA Gordon Conference on *Molecular Interactions*, Invited speaker
May Gregynog, Wales 34th Eur. Symp. on *Bioorganic Chemistry*, Invited speaker
May Seillac, France, EMBO Workshop on *DNA Recombination and Repair*, Invited speaker
June Madison, WI, USA *RNA Society*, Invited speaker
July Nottingham, *Natural Products VI V*Conference, Invited speaker
July Santa Cruz, CA, USA, Conference on *RNA Structure*, Invited speaker

2001

February Scottish Protein Group, St Andrews, Invited speaker
April Netherlands, TNR conference on *Triplet expansion diseases*, Invited speaker
May Banff, Canada, RNA Society meeting, Invited speaker
June Albany, NY, 11th Conversation on *Biomolecular Stereodynamics*, Invited speaker
October Chapel Hill, NC, Conference on *RNA*, Invited speaker
November Bloomington, IN, Conference on *RNA and Life*, Invited speaker
December University of Greenwich, Symposium on *DNA repair*, Invited speaker

2002

May Madison, WI, USA *RNA Society*, Invited speaker
June Rhode Island, USA Gordon Conference on Nucleic Acids, Invited speaker
June Saxtons River, VE, USA FASEB Conference on Nucleic Acid Enzymes, Invited speaker
July Cardiff, 1st International Conference on Biomedical Spectroscopy, Invited speaker
July Royal Society, London, New Fellows Symposium, Invited speaker
August EMBO Workshop on Ribozymes, Organiser, session chair and invited speaker
September Quebec, Canada, Riboclub meeting on RNA, Invited speaker
December University of Sheffield, Symposium on Stereochemistry, Invited speaker

2003

January Symposium of *Polymers and Life Science*, University of Birmingham, Invited speaker
Spinks Symposium, RSC London, Invited speaker (and receipt of medal)
February Symposium for 65th birthday of Prof C Hélène, Paris, Invited speaker
March *DNA symposium*, Amer Chem Soc, New Orleans, Invited speaker
May Nature-Aventis Discussion meeting on *RNA*, Maine, Invited discussion leader and speaker
June Albany, NY, 12th Conversation on *Biomolecular Stereodynamics*, Invited speaker
July Vienna, Austria, RNA Society meeting, Session chair and speaker
September Cambridge, *5th Symposium on Oligonucleotides*, Invited speaker
Wesleyan University, CT, Biophysics Retreat, Guest speaker
UMIST Manchester, SGM meeting, symposium on DNA structure, Invited speaker
October Conference on *RNA-Ligand interactions*, Frankfurt, Invited speaker
November EuroTIDES conference, Berlin, Invited speaker

2004

January EPIC conference, University of Edinburgh, Invited speaker
February Biophysical Society, Baltimore, Session chair and speaker
April NACON VI conference, University of Sheffield, Invited speaker
May EMBO workshop on recombination, Seillac France, Invited speaker
June RNA society, Madison, Speaker in two sessions
FASEB Conference on *Nucleic Acid Enzymes*, Saxtons River, VE, co-organiser
December Conference on *RNA: Structure & Function*, Invited speaker and co-organiser.

2005

January	Single-molecule biophysics, Center for Physics, Aspen CO USA, Invited speaker
April	Workshop on RNA folding, Stanford University, CA USA, Invited speaker
May	Bioimaging workshop, Newcastle University, Invited speaker <i>RNA Society</i> , Banff, lead organiser and speaker
June	Albany, NY, 13th Conversation on <i>Biomolecular Stereodynamics</i> , Invited chair
July	RSC Organic Symposium, LSP, London – presentation of Burton Lecture
August	International Biophysics congress, Montpellier, France, Invited speaker
October	EuChem conference, Rimini, Italy, Invited speaker <i>Bio-nanotechnology</i> , Debrecen, Hungary, Invited speaker
December	Todd symposium, Cambridge, Invited chair
2006	
January	RNA conference, Lake District, Invited speaker and session chair
March	<i>DNA structure and genomic rearrangement</i> , Houston USA Invited speaker <i>Single Molecules</i> , Cambridge, Invited speaker and session chair
May	DNA Symposium in memory of M Duguet, Paris, Invited speaker (in French) and session chair
June	Gordon conference on Single Molecules, New Hampshire, USA, Invited speaker RNA Society, Seattle, USA, Invited speaker EuroCancer, Paris, Invited speaker
July	RSC Nucleic Acid Forum meeting, Manchester, session chair
September	<i>RNA chemistry meets biology</i> , Lund, Sweden, Invited speaker
October	<i>GBM study section RNA-Biochemistry</i> , Kassel, Germany, Invited speaker and session chair
December	<i>EuroTides</i> , Hamburg, Germany Invited speaker
2007	
February	<i>Single-molecule biophysics</i> , Center for Physics, Aspen CO USA, Invited speaker
March	<i>RNA Biophysics</i> , ACS meeting Chicago, IL USA, Invited speaker
April	<i>Workshop on X-ray FEL</i> , SLAC, Stanford CA, USA, Invited speaker
May	RNA Society, Seattle, USA, Invited speaker
June	<i>Nucleic Acids</i> Gordon Conference, Newport RI, USA, Invited speaker 13th Conversation on <i>Biomolecular Stereodynamics</i> , Albany, NY, Invited speaker
July	EBSA, London, Session organizer and chair
August	<i>Single molecules</i> , ACS meeting Boston, MA, USA, Invited speaker
September	DNA, Institute of Mathematics, Minneapolis, MI, USA Invited speaker
October	RNA, Institute of Mathematics, Minneapolis, MI, USA Invited speaker
November	Single molecules, BBSRC workshop, Edinburgh, Invited speaker China RNA Society, Shanghai, China Invited speaker
2008	
January	<i>Symposium A*</i> Institute Singapore, Invited speaker
February	<i>Symposium on Nucleic Acids</i> , Bangalore, India, Invited speaker <i>Single-molecule workshop</i> , Linz, Austria, Invited speaker
March	<i>Symposium on Nucleic Acids</i> , Leicester University, Plenary speaker
June	FASEB conference on <i>Nucleic Acid Enzymes</i> , Saxtons River USA, Session chair and invited speaker
July	FASEB conference on <i>Palindromes in DNA</i> , Saxtons River USA, Keynote speaker RNA Society annual conference, Berlin, Invited speaker
September	<i>GBM study section RNA-Biochemistry</i> , Kassel, Invited speaker
November	RNA Kornberg Symposium, Cambridge, Invited speaker
2009	
January	<i>Single-molecule biophysics</i> , Center for Physics, Aspen CO USA, Invited speaker
February	Zing conference on <i>Nucleic Acids</i> , Mexico, Organizer, Chair and speaker
May	RNA Society, Madison, USA, Invited speaker
June	14th Conversation on <i>Biomolecular Stereodynamics</i> , Albany, NY, Invited speaker Conference on nucleic acids, Odense, Denmark, Invited speaker
July	EBSA conference, Genoa Italy, Invited speaker and session chair
Aug	IUBMB conference, Shanghai, China, Invited speaker <i>Machines on genes: enzymes that make break and move DNA and RNA</i> conference, Biochemical Society Cambridge, Invited speaker
Sept	<i>Nucleic Acids at the Chemistry-Biology Interface</i> , University of Manchester, Invited speaker
Oct	'Rustbelt' RNA conference, Ohio, Invited guest speaker

6th Conference on Chemical Biology, Xiamen, China, Invited speaker.

2010

March American Physical Society, Portland OR USA, Invited speaker
May Symposium on *Single Molecule Biophysics*, Seoul S. Korea Invited speaker
June FASEB conference on *Nucleic Acid Enzymes*, Saxtons River USA, Invited speaker
RNA Society, Seattle
NMR and biophysics school, Erice, Sicily, Invited speaker and chair
September NACON VIII conference, Sheffield, Invited speaker
October *RNA and medicine*, Beijing, China, Invited speaker and chair
November Cold Spring Harbor conference on *RNA*, Suzhou, China, Invited speaker
2nd *Zing conference on Nucleic Acids*, Puerto Morelos, Mexico, Co-organizer & Invited speaker
December *Forum des Jeunes Chercheurs*, Strasbourg, France, Plenary Speaker (in French).

2011

January *Single-molecule biophysics*, Center for Physics, Aspen CO USA, Invited speaker
February *Chemical Origin of Life*, Royal Society Discussion Meeting. Organizer, chair and invited speaker.
March *Conference on Chemical Biology* Xiamen University, China, Invited speaker.
May EBOC workshop on *Nucleic Acids*, Gregynog, Wales. Invited plenary speaker.
June RNA Society conference, Kyoto Japan, Invited plenary speaker.
July Conference on *Chirality on the nanoscale*, Liverpool. Invited plenary speaker.
September 6th Cambridge Conference on *Oligonucleotides*, Cambridge university. Invited plenary speaker.
Durham University Chemistry Science Symposium, Invited speaker.
November 17th international biophysics congress, Beijing, China. Invited speaker.
December Symposium on *Nucleic acids as diagnostics and therapeutics* at RSC, London, Invited speaker.

2012

February *Mathematics-Biology workshop*, Savannah GA USA, Keynote speaker

Invited seminars in 1993-2011:

ETH, Zürich; University of Geneva; University of Liverpool; University of Toulouse (in French); University of Barcelona; University of Liège, Belgium; University of North Carolina at Chapel Hill; University of Kent at Canterbury; MIT; Boston University; Scripps Institute La Jolla; UC Santa Cruz, CA; UC Berkeley, CA; University of California at San Francisco; Institut Curie in Paris (in French); University of Milan; ZMBH at Heidelberg; University of Chicago; University of California at Eugene; University of California at Davis; University of Leeds; University of Edinburgh; University of Sheffield; Institute of Molecular Genetics in Prague; Biophysics Institute in Brno; MPI für Exp. Medizin, Göttingen; University of Lyon (in French); CSIRO, Sydney; Waite Institute, Adelaide; Murdoch Institute, Melbourne; University of Nottingham; University of Newcastle; Texas A&M University, Houston; Patterson Institute, Manchester; University of Colorado, Boulder; University of Oxford; MIT; MRC-LMB, Cambridge; Scripps Institute, La Jolla; Edinburgh University; ETH Zürich (Prelog Vorlesung); Biochemistry Dept, Cambridge; Max-Planck Institute Göttingen; Institut Laue-Langevin, Grenoble; Institut Pasteur, Paris (in French); Third Wave Technologies, Madison WI, USA; RNA Discussion Group, University of Wisconsin, Madison WI, USA; University of Southampton; University of Portsmouth; Panum Institute, Copenhagen University; University; University of Buffalo (Distinguished Scientists Seminar Series), New York; Université d'Orléans (in French); Université de Strasbourg (in French); University of Sheffield, University of Newcastle; University College, London; Ribotargets, Cambridge; Baylor College, Houston; NIMR, Mill Hill; Skaggs Inst of Chemical Biology, Scripps Institute, La Jolla, CA; University of Arizona, AZ, Phoenix; University of Oxford Biochemical Society; University of Umeå, Sweden (2 lectures); University of York; University of East Anglia; Johns Hopkins University; Stanford University, CA; UC Berkeley, CA; UMIST Manchester; Columbia University, New York; Biophysics Institute, Brno, Czech Republic; Chemistry Dept, University of Cambridge; Ribotargets, Cambridge; University of Chicago, IL; Dept Physics, University of Illinois, IL, Urbana; Washington University, St Louis, MO; Université Louis Pasteur, Strasbourg, France (in French); Chester Beatty, London; Dept Physics, University of Illinois, IL, Urbana; Harvard Medical School; John Innes Institute, Norwich; Durham University; Florida State University, Tallahassee; DIBIT, Milan, Italy; Wesleyan University, CT; University of California, Berkeley; New York University; Theoretical Biophysics, University of Illinois, IL, Urbana; Rockefeller University, New York; University of Milan; Institut Pasteur, Paris; DIBIT, Milan, Italy; University of Oxford; MRC Lab Molecular Biology, Cambridge; University of Cambridge; University of Leeds; Case Western Reserve University, Cleveland OH; Baylor University, Houston, TX;

University of California, Berkeley CA; Biochemistry Dep, Stanford University CA; Physics Dep, Stanford University CA; Chemistry Dept, Harvard University; National Institutes of Health; Physics Dept, University of Illinois; Wuhan University, China; BMS, University of St Andrews; University of Colorado, Boulder, CO. Gothenburg, Sweden; University of York, Université de Montréal; Hunter College, CUNY, New York, NY; University of Missouri, Columbia; SUNY Buffalo; Tsinghua University, Beijing, China; Arizona State University at Phoenix, AZ, USA; Wuhan University, China; Fudan University, Shanghai, China; Basel University, Switzerland; Lund University, Sweden; Hong Kong University of Science and Technology; Peking University, Beijing; UC Santa Cruz USA; Univ Strasbourg, France; IC London; ETH Zürich; Karolinska Institute, Stockholm, Sweden.

SUMMARY OF GRANT SUPPORT

2011-2016	CR-UK	Nucleic Acid Structure Research Group	£1,400,000
2009-2012		Human Frontiers (+ P Bevilacqua, S Assman & F Major)	US\$450,000
2011-2013		Wellcome Trust The K-turn	£200,000

Equipment Grants:

1984	MRC	Laser densitometer	£11,000
1985	MRC	Ultracentrifuge	£28,000
1986	Wellcome Trust	DNA synthesiser	£46,000
1990	SERC	Phosphorimager	£151,000
1994	MRC	Surface plasmon resonance instrument	£40,000
1996	CRC	Fluorimeter and stopped-flow	£54,000
1997	CRC	Phosphorimager	£28,000
1997	CRC	Graphics workstation	£13,000
1998	CRC	Cold cabinet	£4,000
1999	CRC	¹⁹ F NMR probe	£16,000
1999	CRC	Cabinet and microscope for crystallisation	£6,000
2001	CRC	Quenched-flow apparatus	£20,000
2003	CR-UK	Construction of single-molecule TIR FRET microscope	£70,000
2003	CR-UK	Conversion of DNA/RNA synthesiser to ACE chemistry	£6,000
2006	CR-UK	Gel documentation system	£7,000
2007	CR-UK	HPLC system	£15,000

Travel and Collaboration Grants:

90-93	NATO - S Diekmann & DMJ Lilley	"Studies of DNA junctions important in recombination" Travel and collaboration between Göttingen and Dundee
91-93	British Council - M Bianchi & DMJ Lilley	"Recognition of DNA structural features by HMG1 protein" Travel and collaboration between Pavia and Dundee
93-96	British Council - DMJ Lilley & RM Clegg	"The structures of branched nucleic acids, and their interactions with proteins" Travel and collaboration between Dundee and Göttingen
94-97	EU - ME Bianchi, DMJ Lilley, I Grummt, H Clevers & J Benues	"HMG Proteins" Network.
2010-12	RSE-CAS DMJ Lilley & AIH Murchie	(Fudan University, Shanghai). k-turns and riboswitches.

PUBLICATIONS

Current *h* index = 68

1. D T Clark & D M J Lilley The Electronic Structure of Cyclopropanone *J.Chem.Soc. (D)* 147-148 (1970)
2. D T Clark & D M J Lilley The Electronic Structure of Ethyl Cation and Protonated Ethylene: a Non-empirical LCAO-MO-SCF Investigation *J. Chem.Soc. (D)* 549-550 (1970)
3. D T Clark & D M J Lilley Barriers to internal Rotation in Carbonium Ions: a Non-empirical LCAO-MO-SCF Investigation of 1- and 2-Fluorethyl Cations *J.Chem.Soc. (D)* 603-604 (1970)
4. D T Clark & D M J Lilley The Electronic Structure of Bridge Protonated Fluoroethylene and the Interconversion of 1- and 2-Fluorethyl Cations *J.Chem.Soc. (D)* 1042-1043 (1970)
5. D T Clark & D M J Lilley Molecular core binding energies for some five membered ring heterocycles as determined by X-ray photoelectron spectroscopy *Chem. Phys. Lett.* **9**, 234-237 (1970)
6. D T Clark & D M J Lilley A Non-empirical LCAO-AO-SCF Investigation of Cross-sections through the Potential Energy Surface for the $[C_2H_4Cl]^+$ systems: Comparison with the $[C_2H_5]^+$ and $[C_2H_4F]^+$ systems *Tetrahedron* **29**, 845-856 (1973)
7. V M Clark, D M J Lilley, O W Howarth, B M Richards & J F Pardon The Structure and properties of histone F2a comprising the heterologous group F2a1 and F2a2 studied by ^{13}C nuclear magnetic resonance. *Nucleic Acids Res.* **1**, 865-880 (1974)
8. D M J Lilley, O W Howarth, V M Clark, J F Pardon & B M Richards An investigation of the Conformational and Self-Aggregational Processes of Histones using 1H and ^{13}C nuclear magnetic resonance. *Biochemistry* **14**, 4590-4600 (1975)
9. D M J Lilley, O W Howarth, V M Clark, J F Pardon & B M Richards The Existence of Random coil N-terminal peptides - 'tails' - in native histone complexes. *FEBS Lett.* **62**, 7-10 (1976)
10. B M Richards, J F Pardon, D M J Lilley, R I Cotter, J C Wooley & D L Worcester The Sub-structure of Nucleosomes. *Cell Biol.Int.Rep.* **1**, 107-116 (1977)
11. D M J Lilley & K Tatchell Chromatin Core Particle Unfolding induced by Tryptic Cleavage of Histones. *Nucleic Acids Res.* **4**, 2039-2055 (1977)
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