Peter Anthony Lawrence

Address Department of Zoology
University of Cambridge
Downing Street
Cambridge CB2 3EJ
United Kingdom

phone: +44 (0)1223 769015
e-mail: pal38@cam.ac.uk
web: making-of-a-fly.me

Date of birth June 23, 1941

1951–1958 Wennington School, Wetherby, Yorkshire.

1959–1965 St. Catharine's College, Cambridge.

1961 Part I Natural Sciences Tripos: 1st class (Biochemistry, Botany, Organic Chemistry and Zoology).

1962 Part II Natural Sciences Tripos: 1st class (Zoology).

1962–1965 Agricultural Research Council. Studentship for research under Professor Sir Vincent Wigglesworth in Department of Zoology, Cambridge, ARC Unit of Insect Physiology. Ph.D., University of Cambridge.

1965–1966 Harkness (Commonwealth Fund) Fellowship for research and travel held at the Department of Biology, University of Virginia, Charlottesville, Va. (Head: Professor Dietrich Bodenstein).

1966–1967 Harkness Fellowship held at Developmental Biology Center, Western Reserve University, Cleveland, Ohio (Head: Professor Howard Schneiderman).

1967-1969 A.R.C. Postdoctoral Research Fellowship, Department of Genetics, University of Cambridge.

1969–1973 Open Research Fellowship, Caius College.

1969-2006 MRC Laboratory of Molecular Biology. Permanent member of scientific staff.

1976 Elected member of European Molecular Biology Organisation.

1977 Zoological Society of London's Medal.

1977-2010 Editor J. Embryology and experimental Morphology, became Development in 1987.

1980 Dietrich Bodenstein Lecturer, University of Virginia.

1982 Walter Bauer Lecture, Helen Hay Whitney Meeting, New York.

1983 Elected Fellow of the Royal Society.

1983–1989 Editorial Board of Cell.

1984–1986 Joint Head of Division of Cell Biology at Laboratory of Molecular Biology.

1987-1989 Editorial Board of EMBO Journal.

1994 De Camp Lecturer, Neurosciences Symposium, Columbia University, New York.

1994 Darwin Medal from Royal Society.

1996 Prize "Vinci d'Excellence" Moet et Chandon, Paris.

1996 Inaugural Wigglesworth Memorial Lecture, XX International Congress of Entomology, Florence.

1996 Lecture to "Architectonics of Nature" Symposium. Princeton University 250th Anniversary celebrations.

1998 BBV Visiting Professor, Centro de Biología Molecular, Madrid.

2000 Waddington Medal from the British Society of Developmental Biology.

2000 Elected Fellow of the Royal Swedish Academy of Sciences.

2002 Visiting Miller Professor, University of California, Berkeley.

2004 Keynote Address, 45th Annual Drosophila Research Conference, Washington DC.

2006-2022 Director of Research, Department of Zoology, University of Cambridge.

2006-present MRC Laboratory of Molecular Biology. Emeritus Scientist.

2007 Prince of Asturias Award for Scientific and Technical Research, shared with Prof. Ginés Morata.

2011 Lifetime Achievement Award from the Society for Developmental Biology (Bethesda, MD).

2012 Honorary Fellowship of the Royal Entomological Society.

2013 Honorary Membership of the British Society of Developmental Biology.

2023-present Visitor of the Department of Zoology, University of Cambridge.

Publications

[1] Casal J., Storer F., and Lawrence P.A. (2023). Planar cell polarity: intracellular asymmetry and supracellular gradients of Frizzled. *Open Biol.* **13**: 230105.

[2] Chorro A., Verma B., Homfeldt M., Ibáñez B., Lawrence P.A., and Casal J. (2022). Planar cell polarity: intracellular asymmetry and supracellular gradients of Dachsous. *Open Biol.* **12**: 20195.

[3] Morata G. and Lawrence P. (2022). An exciting period of Drosophila developmental biology: Of imaginal discs, clones, compartments, parasegments and homeotic genes. *Dev. Biol.* **484**: 12–21.

[4] Pietra S., Ng K., Lawrence P.A., and Casal J. (2020). Planar cell polarity in the larval epidermis of Drosophila and the role of microtubules. *Open Biol.* **10**: 200290.

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[7] Casal J., Ibáñez-Jiménez B., and Lawrence P.A. (2018). Planar cell polarity: the prickle gene acts independently on both the Ds/Ft and the Stan/Fz systems. *Development* **145**: dev168112.

[8] Lawrence P.A. and Casal J. (2018). Planar cell polarity: two genetic systems use one mechanism to read gradients. *Development* **145**: dev168229.

[9] Lawrence P.A. (2016). Francis Crick: A Singular Approach to Scientific Discovery. *Cell* **167**: 1436–1439.

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[15] Lawrence P.A. and Casal J. (2013). The mechanisms of planar cell polarity, growth and the Hippo pathway: Some known unknowns. *Dev. Biol.* **377**: 1–8.

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[17] Krzemień J., Fabre C.C.G., Casal J., and Lawrence P.A. (2012). The muscle pattern of the Drosophila abdomen depends on a subdivision of the anterior compartment of each segment. *Development* **139**: 75–83.

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