

BIOGRAPHY

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Title and name

Prof. Colin Douglas Ockleford

Nationality

United Kingdom

Panel

Plant Protection Products and their Residues (PPR)

Education

B.Sc., (Zoology & Physiology) 1970 St. Andrews University, Fife Scotland
Ph.D. (Cell Biology) 1973 St. Andrews University, Fife Scotland
D.Sc. (Developmental Cell Pathology) 2005 St. Andrews University, Fife Scotland
M.R.C.Path., 1990 Royal College of Pathologists
FRCPath., 1999 Royal College of Pathologists
Member 2001 (Inst. For Learning and Teaching in Higher Education)
Member 2007 (Academy of Medical Educators)
Fellow 2009 (Academy of Medical Educators)
Fellow 2013 (Anatomical Society)

Scientific and risk assessment experience

- Developmental Toxicological Risk Assessment
 - Reproductive Toxicological Risk Assessment
 - Neurotoxicological Risk Assessment
 - Medical toxicological Risk assessment
 - Risk assessment of genotoxic and carcinogenic actives
 - Maternofetal Interaction
 - Reproductive pathology and immunopathology
 - Stewardship and responses to exceedance reports
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Main scientific publications

Main areas of research are in cellular and reproductive pathology:

Byrne, S., Challis, E., Williams, J.L.R., Pringle, J.H., Hennessy, J.M. & Ockleford, C.D. (2010) A mosaic cell layer in human pregnancy. Placenta, 31, 373-379.

Ockleford, C. D., Cairns, H., Rowe, A. J., Byrne, S., Scott, J.J.A., Willingale R. (2002) The distribution of caveolin-3 immunofluorescence in skeletal muscle fibre membrane as defined by dual channel confocal laser scanning microscopy, FFT and image modeling. J. Microscopy, 206(2): 93-105.

Ockleford, C.D., Mongan, L., and Hubbard, A.R.D. (1997) Techniques of advanced light microscopy and their applications to morphological analysis of human extra-embryonic membranes. In "Placenta, Comparative and functional morphology by different methodological approaches" Volume editors V. Danzer and R. Leiser in the series Microscopy Research and Technique Ed-in-Chief John E. Johnson Jr. vol.38 pp 153-164.

Bright, N., and Ockleford, C.D. (1995) Cytotrophoblast cells - a barrier to maternofetal transmission of passive immunity? J.Histochem. Cytochem. 43, 933-944.

Bright, N., Ockleford, C.D. and Anwar, M. (1994) The ontogeny and distribution of Fc gamma receptors in the human placenta. Transport or immune surveillance? J. Anat. 184, 297-308.

Malak, T., Ockleford, C.D., Bell S.C., Dalglish, R. and MacVicar J. (1993) Confocal immunofluorescence localisation of collagen types I, III, IV, V and VI and their ultrastructural organisation in term human fetal membranes. Placenta. 14, 385-406.

Ockleford, C.D., Bright, N., Hubbard, A., d'Lacey, C., Smith, J., Gardiner, L., Sheikh, T., Albentosa, M., and Turtle, K. (1993) Microtrabeculae, macroplaques, or minibasement membranes in human term fetal membranes. Phil. Trans. Roy. Soc. 342, 121-136.

Ockleford, C. D. (1990). An Atlas of Antigens: Immunofluorescence localisation patterns in tissues and cells. The MacMillan Press, London, Stockton Press, New York. pp 1-323.

Parton, R. G., Ockleford, C. D. and Critchley, D. R. (1988) Tetanus toxin binding to mouse spinal cord cells: an evaluation of the role of gangliosides in toxin internalisation. Brain Research, 475, 118-127

C. D. Ockleford and A. Whyte, (1980). eds. Coated Vesicles. Cambridge University Press. 0-281.