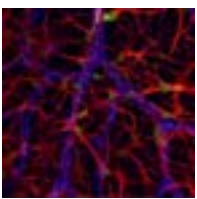
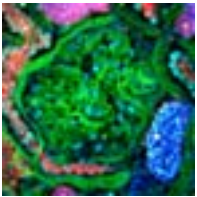

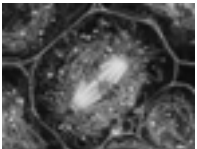
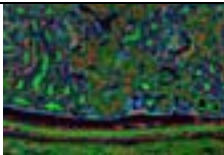

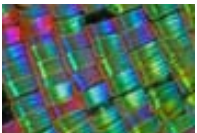
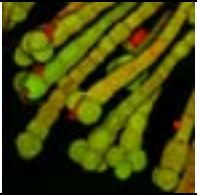

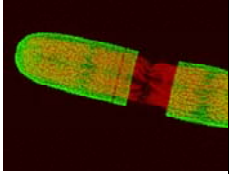
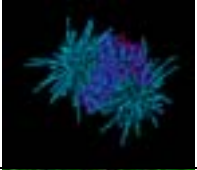
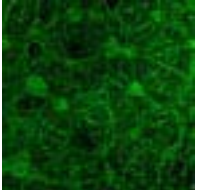

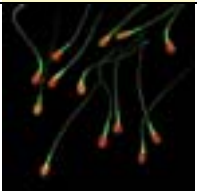




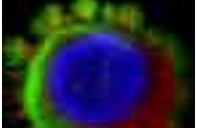

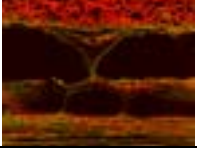
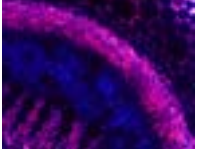
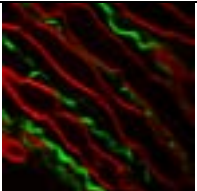
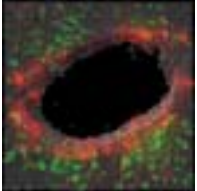


2005 OLYMPUS BIOSCAPES IMAGES

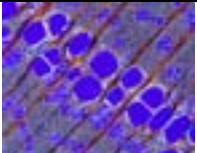
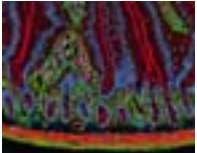
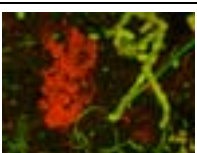

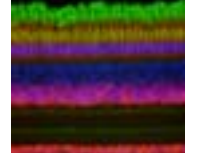





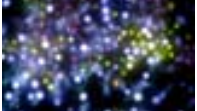
Place	Image	Captured by	Caption
TOP TEN WINNERS, LISTED BY RANK			
1		Mansour, Mr. Hussein	Blood vessels and astrocytes in aging rat retina, confocal imaging, 40x. Blood vessels are shown in blue; astrocytes (supportive cells of the nervous system) are mostly in red. As organisms age, changes in astrocytes might contribute to disease and degeneration. Captured by Hussein Mansour, University of Sydney, Australia. First Prize, 2005 Olympus BioScapes Competition.
2		Sandoval, Mr. Ruben	Living rat glomerulus (Latin: "little ball of yarn"), showing part of the process of urine formation in the kidney. Intravital, 3D volume image. Captured by Ruben Sandoval, Indiana University School of Medicine, Indianapolis, IN, USA. Second Prize, 2005 Olympus BioScapes Competition. Also earned Judges' Special Recognition for Technical Merit.
3		Sykora, Victor	Flowering plant (family Asteraceae) seed and pappus (tuft that helps in dissemination of seeds). Captured by Victor Sykora, Charles University, Prague, Czech Republic. Third Prize, 2005 Olympus BioScapes Competition.
4		Oldenbourg, Dr. Rudolf and James LaFountain	Crane fly primary spermatocyte in testicular fluid, showing chromosomes and spindle fibers during the first stage of meiosis, the type of cell division that results in the creation of sperm cells. Captured by Dr. Rudolf Oldenbourg, Marine Biological Laboratory, Woods Hole, MA, USA and James LaFountain, State University of New York at Buffalo, USA. Fourth Prize, 2005 Olympus BioScapes Competition. Also earned Judges' Special Recognition for Technical Merit.
5		Deerinck, Mr. Thomas	Mouse kidney. Quantum dot (nanotechnology) fluorescence image, 200x. Captured by Thomas Deerinck, University of California, San Diego, USA. Fifth Prize, 2005 Olympus BioScapes Competition.
6		Walker, Mr. Spike	<i>Gloeotrichia</i> , a colonial cyanobacterium. Filaments arrange themselves in starlike colonies. Large numbers of colonies can collect in freshwater lakes, forming blooms. Captured by Spike Walker, Penkridge, Staffs, UK. Sixth Prize, 2005 Olympus BioScapes Competition.
7		Krebs, Mr. Charles	Iridescent wing scales of sunset moth. Combined image stack, reflected light, 25x. Captured by Charles Krebs, Issaquah, Washington, USA. Seventh Prize, 2005 Olympus BioScapes Competition.

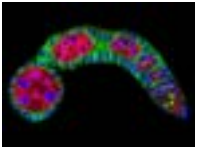





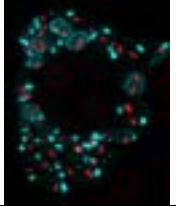
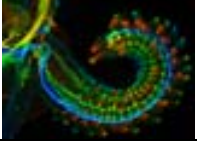
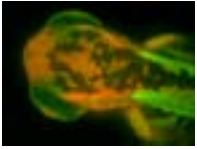

8		Owens, Dr. Shirley	<i>Thunbergia</i> (flowering plant). Fringed edge of the pollen-bearing plant anther. Captured by Dr. Shirley Owens, Michigan State University, East Lansing, Michigan, USA. Eighth Prize, 2005 Olympus BioScapes Competition.
9		Taylor, Mr. Harry	Obelia hydroids. Colonies of obelia are found as a delicate furlike growth on the wooden piles of piers and wharves. Captured by Harry Taylor, Dunstable, Bedfordshire, UK. Ninth Prize, 2005 Olympus BioScapes Competition.
10		Domozych, Dr. David	Green alga (<i>Penium margaritaceum</i>) immunolabeled, composite confocal image. The red filaments are chloroplasts. The space between the two parts of the green cell wall reveals a day of new growth, indicating that the cell grows from the middle outward. Captured by Dr. David Domozych, Skidmore College, Saratoga Springs, NY, USA. Tenth Prize, 2005 Olympus BioScapes Competition.

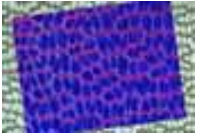

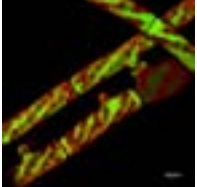






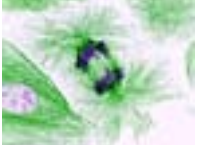
HONORABLE MENTIONS (STILL IMAGES) LISTED IN ALPHABETICAL ORDER

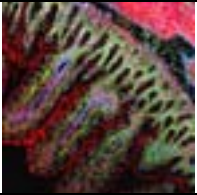
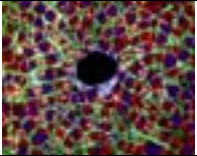

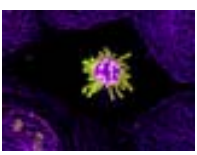







HM59		Andrews, Dr. Paul	Xenopus XLK2 kidney cell in mitosis. Captured by Dr Paul Andrews, Wellcome Trust Biocentre, University of Dundee, UK. Honorable Mention, 2005 Olympus BioScapes Competition.
HM8		Azemi-Charlie, Ms. Erdrin	3-day-old rat primary neurons, Confocal 3D reconstruction. Captured by Erdrin Azemi-Charley, University of Pittsburgh, PA, USA. Honorable Mention, 2005 Olympus BioScapes Competition.
HM56		Bardal, Mrs. Tora	Japanese eel, day 5. Captured by Tora Bardal, Norwegian University of Science and Technology, Trondheim, Norway. Honorable Mention, 2005 Olympus BioScapes Competition. Also awarded the Judges Special Recognition for Artistic Merit.
HM 21		Becker, Dr. David	Human sperm. Captured by Dr. David Becker, University College, London, UK. Honorable Mention, 2005 Olympus BioScapes Competition.

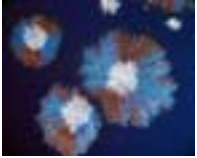
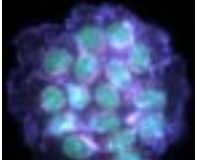

HM1		Becker, Dr. David	Retinal ganglion cell neuron and blood vessel from a ferret eye. Captured by Dr. David Becker, University College, London, UK. Honorable Mention, 2005 Olympus BioScapes Competition.
HM10		Bischoff, Mr. Eric	Capillary in Rat Mammary Gland, photographed using H&E stain, 40x. Captured by Eric Bischoff, San Diego, CA, USA. Honorable Mention, 2005 Olympus BioScapes Competition.
HM25		Burnette, Mr. Dylan	Neuron, regenerating, confocal, 800x. Captured by Mr Dylan Burnette, Yale University, New Haven, CT. Honorable Mention, 2005 Olympus BioScapes Competition.
HM43		Burnette, Mr. Dylan	Glia-like cell from <i>Aplysia californicus</i> - cytoskeleton of a small accessory cell that contaminates bag cell neuronal cultures. Captured by Mr Dylan Burnette, Yale University, New Haven, CT. Honorable Mention, 2005 Olympus BioScapes Competition.
HM17		Calzoni, Dr. Gian Lorenzo	Pitted vessels. Stem of <i>Fraxinus excelsior</i> L., 400x. Captured by Dr. Gian Lorenzo Calzoni, University of Bologna, Italy. Honorable Mention, 2005 Olympus BioScapes Competition.
HM40		Calzoni, Dr. Gian Lorenzo	Transversal section of xylem, phloem and meristematic tissue. Stem of <i>Vitis vinifera</i> L. Brightfield, 100x. Captured by Dr. Gian Lorenzo Calzoni, University of Bologna, Italy. Honorable Mention, 2005 Olympus BioScapes Competition.
HM38		Cheng, Dr. Ji-Xin	Myelin sheath and astrocyte glial processes in live spinal tissue. Captured by Dr Ji-Xin Cheng, Purdue University, West Lafayette, Indiana, USA. Honorable Mention, 2005 Olympus BioScapes Competition.
HM4		Clements, Dr. Robert	Parietal cortex of human brain, volume-rendered, stitched image. Captured by Dr. Robert Clements, Kent State University, Kent, OH, USA. Honorable Mention, 2005 Olympus BioScapes Competition.
HM14		Deckart, Mr. Karl	Fossil, polarized light. Captured by Karl Deckart, Eckental, Germany. Honorable Mention, 2005 Olympus BioScapes Competition.
HM53		Deckart, Mr. Karl	Pine needle, brightfield. Captured by Karl Deckart, Eckental, Germany. Honorable Mention, 2005 Olympus BioScapes Competition.

HM32		Deckart, Mr. Karl	Tree thin section, Rheinberg illumination. Captured by Karl Deckart, Eckental, Germany. Honorable Mention, 2005 Olympus BioScapes Competition.
HM2		Deerinck, Mr. Thomas	Mouse Small Intestine. Quantum dot (nanotechnology) fluorescence image, 200x. Captured by Thomas Deerinck, University of California, San Diego, USA. Honorable mention, 2005 Olympus BioScapes Competition.
HM24		Domozych, Dr. David	Live image of 4-day-old biofilm from an Adirondack wetland, confocal image. Captured by Dr David Domozych, Skidmore College, Saratoga Springs, NY USA. Honorable Mention, 2005 Olympus BioScapes Competition.
HM41		Eberhard, Mr. Stefan	Coleus leaf. Captured by Stefan Eberhard, The University of Georgia, Athens, GA, USA. Honorable Mention, 2005 Olympus BioScapes Competition.
HM7		Fischer, Dr. Andy	Chicken retina. Captured by Dr. Andy Fischer, Ohio State University, Columbus, OH, USA. Honorable Mention, 2005 Olympus BioScapes Competition.
HM3		Gautier, Mr. Christian	Longitudinal section of caecum of rabbit, 100x, brightfield. Captured by Christian Gautier, Le Mans, France. Honorable Mention, 2005 Olympus BioScapes Competition.
HM29		Gonzalez, Mr. Raul	Scaled monarch butterfly wing, composite brightfield image. Captured by Raul Gonzalez, Mexico City, Mexico. Honorable Mention, 2005 Olympus BioScapes Competition.
HM46		Gonzalez, Mr. Raul	Peafowl feather, composite brightfield image. Captured by Raul Gonzalez, Mexico City, Mexico. Honorable Mention, 2005 Olympus BioScapes Competition.
HM49		Grimm, Mr. Ralph	Living paramecium, trying to escape amoeba, 200x. Captured by Ralph Grimm, Jimboomba, QLD, Australia. Honorable Mention, 2005 Olympus BioScapes Competition.
HM20		Hickey, Dr. Patrick	The filamentous fungus Neurospora crassa. Captured by Dr Patrick Hickey, Lux Biotechnology Ltd, Edinburgh, Scotland, UK. Honorable Mention, 2005 Olympus BioScapes Competition.
HM34		Joubert, Dr. Lydia-Marie	Yeasts and bacteria in complex biofilm. Captured by Dr. Lydia-Marie Joubert, Mountain View, CA, USA. Honorable Mention, 2005 Olympus BioScapes Competition.

HM36		Kirilly, Mr. Daniel	Mutant <i>Drosophila</i> (fruit fly) germarium and early stage egg chambers stained for germ cells (red), cell membranes (green) and cell nuclei (blue). Captured by Daniel Kirilly, Stowers Institute for Medical Research, Kansas City, KS, USA. Honorable Mention, 2005 Olympus BioScapes Competition.
HM44		Koulen, Dr. Peter	Rabbit retina. Captured by Dr Peter Koulen, University of North Texas, Health Sciences Center, Fort Worth, TX, USA. Honorable Mention, 2005 Olympus BioScapes Competition.
HM28		Kros, Mr. Jan	Rape plant, transverse section. Captured by Jan Kros, Zuid-Holland, The Netherlands. Honorable Mention, 2005 Olympus BioScapes Competition.
HM23		Kuuse, Mr. Sulev	<i>Aspergillus</i> sp. 20X. Captured by Sulev Kuuse, Tartu, Estonia. Honorable Mention, 2005 Olympus BioScapes Competition.
HM57		Lindsay, Dr. Sara	Hook-shaped setae (bristles) of polychaete worm <i>Marenzelleria</i> sp. DIC, 40x. Captured by Dr Sara Lindsay, University of Maine. Honorable Mention, 2005 Olympus BioScapes Competition.
HM27		Marcos, Mr. Hernan Javier Aldana	Armadillo bone cell bodies, 400x. Captured by Hernan Javier Aldana Marcos, Buenos Aires, Argentina. Honorable Mention, 2005 Olympus BioScapes Competition.
HM35		Mortara, Dr. Renato	Infected vero cell. Captured by Dr Renato Mortara, Escola Paulista de Medicina, Sao Paulo, Brazil. Honorable Mention, 2005 Olympus BioScapes Competition.
HM47		Müller, Dr. Monika C. M. (Mueller)	Part of head and tentacle of <i>Magelona mirabilis</i> . Captured by Dr Monika C. M. Mueller, University of Osnabruck, Germany. Honorable Mention, 2005 Olympus BioScapes Competition.
HM9		Murakami, Dr. Tohru	Dorsal view of a zebrafish embryo, confocal. Captured by Dr Tohru Murakami, Gunma University Graduate School of Medical Sciences, Japan. Honorable Mention, 2005 Olympus BioScapes Competition.
HM26		Nagy, Dr. Stephen	Fossil marine diatom from Oamaru, New Zealand, 1200x. Captured by Dr Stephen Nagy, Clancy, Montana, USA. Honorable Mention, 2005 Olympus BioScapes Competition.

HM55		Oldfield, Mr. Ron	Montage, manipulated images of a leaf of sphagnum moss. Captured by Ron Oldfield, Macquarie University, Sydney, Australia. Honorable Mention, 2005 Olympus BioScapes Competition.
HM52		Opsahl, Mr. Alan	Rat hair follicle, brightfield, 40x. Captured by Alan Opsahl, East Lyme, CT, USA. Honorable Mention, 2005 Olympus BioScapes Competition.
HM39		Owens, Dr. Shirley	Spirogyra. Captured by Dr Shirley Owens, Michigan State University, East Lansing, MI, USA. Honorable Mention, 2005 Olympus BioScapes Competition.
HM6		Owens, Dr. Shirley	Chickory. Captured by Dr. Shirley Owens, Michigan State University, East Lansing, Michigan, USA. Honorable Mention, 2005 Olympus BioScapes Competition.
HM48		Paddock, Dr. Stephen	Fruit fly (drosophila) embryos. Captured by Dr Stephen Paddock, University of Wisconsin, Madison, WI, USA. Honorable Mention, 2005 Olympus BioScapes Competition.
HM15		Panbianco, Miss Costanza	<i>C. elegans</i> dissected gonad showing DNA in blue and actin in yellow, 200x. Captured by Costanza Panbianco, Wellcome Trust/Cancer Research UK Gurdon Institute, Cambridge, UK. Honorable Mention, 2005 Olympus BioScapes Competition.
HM19		Plasek, Dr. Jaromir and Reischig, Dr. Josef	Young plant of <i>Arabidopsis thaliana</i> . Captured by Dr Jaromir Plasek and Dr. Josef Reischig, Charles University, Prague, Czech Republic. Honorable Mention, 2005 Olympus BioScapes Competition.
HM42		Roca M., Dr. M. Gabriela	Fungal plant pathogen <i>Colletotrichum lindemuthianum</i> , which has formed chains of fused conidia. Captured by Dr M. Gabriela Roca M., University of Edinburgh, Scotland, UK. Honorable Mention, 2005 Olympus BioScapes Competition.
HM16		Runions, Dr. John	8-cell plant embryo. Captured by Dr John Runions, Oxford Brookes University, Oxford, UK. Honorable Mention, 2005 Olympus BioScapes Competition.
HM50		Rusan, Mr. Nasser	Pig epithelial cells, confocal and deconvolution microscopy. Captured by Nasser Rusan, University of North Carolina, Chapel Hill, NC, USA. Honorable Mention, 2005 Olympus BioScapes Competition.

HM30		Shand, Mr. Stuart	Rat gut, confocal image. Captured by Stuart Shand, University of Pittsburgh, PA, US. Honorable Mention, 2005 Olympus BioScapes Competition.
HM33		Shand, Mr. Stuart	Rat liver, 40x. Captured by Stuart Shand, University of Pittsburgh, PA, USA. Honorable Mention, 2005 Olympus BioScapes Competition.
HM37		Sykora, Mr. Viktor	<i>Sonchus oleraceus</i> – seed with pappus. Darkfield, 10x. Captured by Viktor Sykora, Charles University, Prague, Czech Republic. Honorable Mention, 2005 Olympus BioScapes Competition.
HM13		Tulu, Mr. Ustun Serdar	LLCPK cell, stained for microtubules and DNA, image stack. Captured by Ustun Serdar Tulu, University of Massachusetts, Amherst, MA, USA. Honorable Mention, 2005 Olympus BioScapes Competition.
HM5		Van Egmond, Wim	<i>Stentor amethystinus</i> , with symbiotic algae inside. A small protist, Trachelomonas is trapped in the Stentor's peristome (mouth region). Captured by Wim van Egmond. Honorable Mention, 2005 Olympus BioScapes Competition.
HM12		Walker, Mr. Ian	Radula of pond snail (<i>Limnea stagnalis</i>). Captured by Mr. Ian Walker, West Yorkshire, UK. Honorable Mention, 2005 Olympus BioScapes Competition.
HM22		Walker, Mr. Spike	Vitamin C crystals. Captured by Spike Walker, Penkridge, Staffs, UK. Honorable Mention, 2005 Olympus BioScapes Competition.
HM51		Walker, Mr. Spike	Dandelion flower bud, brightfield. Captured by Spike Walker, Penkridge, Staffs, UK. Honorable Mention, 2005 Olympus BioScapes Competition.
HM11		Weible, Mr. Michael	Human spinal cord derived neurosphere (5x). Captured by Michael Weible, University of Sydney, Australia. Honorable Mention, 2005 Olympus BioScapes Competition.
HM31		Weible, Mr. Michael	Human spinal cord derived neurosphere. Captured by Mr. Michael Weible, University of Sydney, Australia. Honorable Mention, 2005 Olympus BioScapes Competition.
HM45		Wetzel, Dr. Jim	Tunicate from Key Largo, Florida, 20x. Captured by Dr Jim Wetzel, Presbyterian College, Clinton, SC, USA. Honorable Mention, 2005 Olympus BioScapes Competition.

HM58		Whittaker, Dr. Peter	Crystals of the blood thinner warfarin, polarized light, 625x. Captured by Dr Peter Whittaker, University of Massachusetts Medical School, Worcester, MA, USA. Honorable Mention, 2005 Olympus BioScapes Competition.
HM18		Wittmann, Dr. Torsten	Cluster of growth factor-stimulated breast cancer cells. Captured by Dr Torsten Wittmann, The Scripps Research Institute, La Jolla, CA, USA. Honorable Mention, 2005 Olympus BioScapes Competition.
HM54		Znachor, Dr. Petr	Straight filaments of bloom forming cyanobacterium <i>Anabaena planctonica</i> . Captured by Dr Petr Znachor, Laboratory of Phytoplankton Ecology, Ceske Budejovice, Czech Republic. Honorable Mention, 2005 Olympus BioScapes Competition.

HONORABLE MENTIONS (MOVIES) LISTED IN ALPHABETICAL ORDER

HMV5		Cimini , Dr. Daniela	MOVIE: Mitotic PtK1 cell, showing metaphase and anaphase A and B. Captured by Dr Daniela Cimini, University of North Carolina, Chapel Hill, NC, USA. Honorable Mention, 2005 Olympus BioScapes Competition.
HM V1		Ferry, Mr. Donald	MOVIE: Proteus engulfing a paramecium, DIC. Captured by Mr Donald Ferry, Denver, CO. Honorable Mention, 2005 Olympus BioScapes Competition.
HMV4		Fink, Dr. Rachel	MOVIE: Fluorescent time-lapse sequence - deep cells migrating in vivo in an intact killifish embryo-crawling within the normal cell matrices and environment. Fluorescent actin is visible at the leading edge of the cell. Captured by Dr Rachel Fink, Mt. Holyoke College, South Hadley, MA, USA.. Honorable Mention, 2005 Olympus BioScapes Competition.
HMV3		Hickey, Dr. Patrick	MOVIE: The filamentous fungus <i>Neurospora crassa</i> . Time lapse movie, 200x. Captured by Dr Patrick Hickey, Lux Biotechnology Ltd, Edinburgh, Scotland, UK. Honorable Mention, 2005 Olympus BioScapes Competition.
HMV7		Hickey, Dr. Patrick	MOVIE: The filamentous fungus <i>Aspergillus fumigatus</i> . Time lapse movie showing hyphal growth, 500x. Captured by Dr Patrick Hickey, Lux Biotechnology Ltd, Edinburgh, Scotland, UK. Honorable Mention, 2005 Olympus BioScapes Competition.
HMV6		Huisken, Dr. Jan	MOVIE: 8 day old Zebrafish embryo with GFP expression in the heart muscle. Captured by Dr Jan Huisken, University of California, San Francisco, CA, USA. Honorable Mention, 2005 Olympus BioScapes Competition.

HMV9		Kirilly, Mr. Daniel	MOVIE: Fruit fly (<i>drosophila</i>) egg chamber calculated from 90 individual confocal sections. Intravital 2 Photon confocal microscopy. Captured by Daniel Kirilly, Stowers Institute for Medical Research, Kansas City, KS, USA. Honorable Mention, 2005 Olympus BioScapes Competition.
HMV 10		Pitt, Mr. Jason	MOVIE: Cultured veliger larvae of the nudibranch <i>Melibe leonina</i> , racing around in their egg ribbon. Captured by Jason Pitt, Seattle, WA, USA. Honorable Mention, 2005 Olympus BioScapes Competition.
HMV8		Sandoval, Mr. Ruben	MOVIE: Living rat glomerulus, showing part of the process of urine formation in the kidney. Captured by Ruben Sandoval, Indiana University School of Medicine, Indianapolis, IN, USA. Second Prize, 2005 Olympus BioScapes Competition.