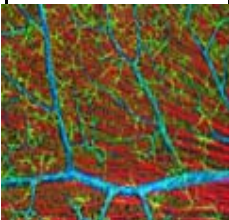
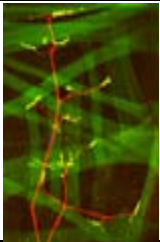

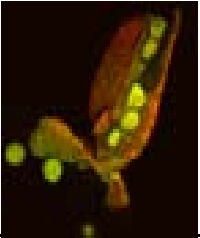





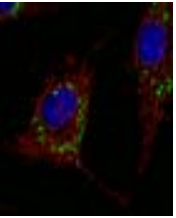

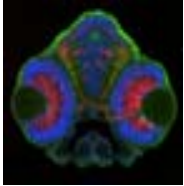



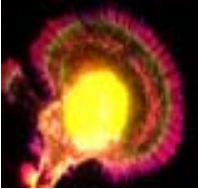
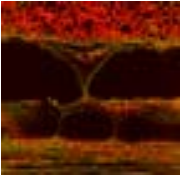

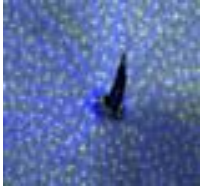
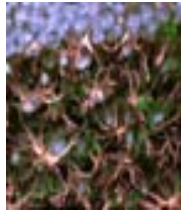
# 2006 BIOSCAPES IMAGES

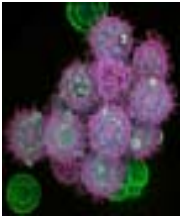
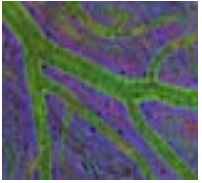
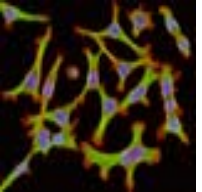
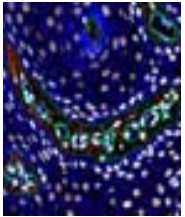

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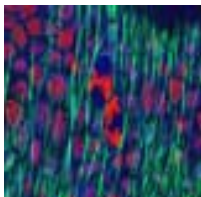
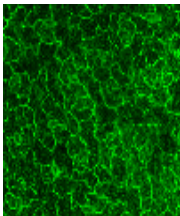

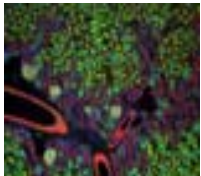
<i>Place</i>	<i>Image</i>	<i>Code</i>	<i>Name with Title</i>	<i>Largest file size</i>	<i>Caption: Editorial captions must mention name of photographer and the Olympus BioScapes competition</i>
1		1	Mr Thomas Deerinck	50 mb	Mouse retina - the optic fiber layer shown here is responsible for conducting information from the retina to the brain. The fluorescence image reveals the distribution of GFAP in glial cells (green), f-actin in endothelial cells (blue), neurofilament 68kd in optic nerve axons (red), and DNA/RNA in cell nuclei and cytoplasm (orange). Thomas Deerinck, National Center for Microscopy and Imaging Research, University of California, San Diego, USA. First Prize, 2006 Olympus BioScapes Digital Imaging Competition.
2		2	Dr Hermann Aberle	17mb	Muscles (green) and axon bundles (red) of motor neurons in <i>Drosophila melanogaster</i> larva. Dr. Hermann Aberle, MPI for Developmental Biology, Tuebingen, Germany. Second Prize, 2006 Olympus BioScapes Digital Imaging Competition.
3		3	Mr M.R. Dadpour	10mb	Zinnia flower primordium. M. R. Dadpour, Department of Horticulture, University of Tabriz, Iran. Third Prize, 2006 Olympus BioScapes Digital Imaging Competition.

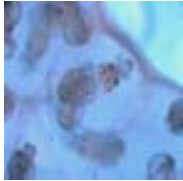
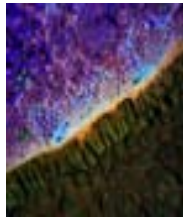
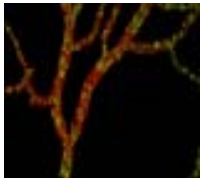
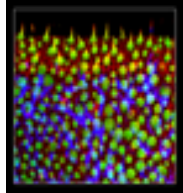

4		4	Dr Robert Markus	3mb	Stamen of <i>Mirabilis jalapa</i> (also called Four O'clock, or Beauty-of-the-Night). Confocal, 100x. Dr. Robert Markus, Biological Research Center of the Hungarian Academy of Sciences, Csongr�ad, Hungary. Fourth Prize, 2006 Olympus BioScapes Digital Imaging Competition.
5	 Movie	5	Dr Thorsten Mempel	3mbMovie	<b>VIDEO:</b> First known visualization in a living animal of T-cells killing target cells. T-Cells are green, target cells are purple. Red areas are cytoplasm streaming from target cells. Thorsten Mempel, Harvard University, Cambridge, Massachusetts, USA. Fifth Prize, 2006 Olympus BioScapes Digital Imaging Competition.
6		6	Mr Ron Oldfield	2mb	<i>Dictyostelium</i> sp. (slime mold). Ron Oldfield, Macquarie University, Sydney, Australia. Sixth Prize, 2006 Olympus BioScapes Digital Imaging Competition.
7		7	Mr Wim van Egmond	2.9mb	Living <i>Dinobryon</i> (golden algae), differential interference contrast, 40x, 20 images stacked. Wim van Egmond, Rotterdam, The Netherlands. Seventh Prize, 2006 Olympus BioScapes Digital Imaging Competition.
8		8	Mr Ralph Grimm	22.7mb	Proboscis of common housefly. Ralph Grimm, Jimboomba, Australia. Eighth Prize, 2006 Olympus BioScapes Digital Imaging Competition.

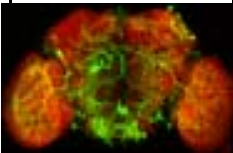
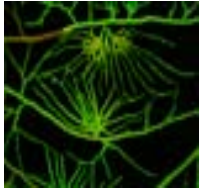



9		9	Mr Viktor Sýkora	4.3mb	<i>Cynoglossum officinale</i> (Gypsy Flower). Stereomicroscopy. Viktor Sýkora, Charles University, Prague, Czech Republic. Ninth Prize, 2006 Olympus BioScapes Digital Imaging Competition.
10		10	Mr Michael Janes	18.8mb	Live bovine pulmonary epithelial cells. Michael Janes, Invitrogen Corp, Eugene, Oregon, USA. Tenth Prize, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM12	Mrs Tora Bardal	774kb	Cartilage in turbot fins. Tora Bardal, Brattøra Research Center, Norwegian University of Science and Technology (NTNU), Trondheim, Norway. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM42	Mr Brent Bill	968kb	Zebrafish, 3 days after fertilization. Brent Bill, University of Minnesota, Burnsville, Minnesota, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM66	Mr Joshua Breunig	3.6mb	Adult mouse brain, showing two areas of new neuron development. Joshua Breunig, Yale University, New Haven, Connecticut, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.

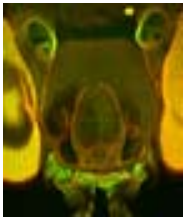

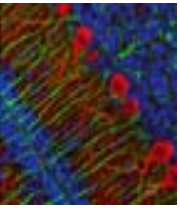

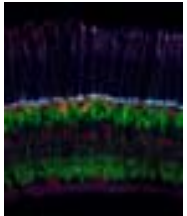
HM		HM35	Mr Dylan Burnette	4.7mb	Neuron regenerating in culture. Dylan Burnette, Yale University, New Haven, Connecticut, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM21	Dr Gian Lorenzo Calzoni	1mb	Longitudinal section of pitted vessels in stem of <i>Fraxinus excelsior</i> (common ash tree) 400x. Dr. Gian Lorenzo Calzoni, University of Bologna, Bologna, Italy. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM38	Ms Lynne Chang	10mb	Mouse embryonic fibroblast, 100x. Lynne Chang, Northwestern University, Chicago, Illinois, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM45	Dr Eric Cho	1.7mb	Hamster retina showing microglia and ganglion cells. The optic disc (black) is visible. Dr. Eric Cho, The Chinese University of Hong Kong. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM53	Dr Marta Cortes-Canteli	770mb	Coronal section, mouse hippocampus. Confocal image. Marta Cortes-Canteli, Alberto Sols Biomedical Research Institute, Madrid, Spain. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.

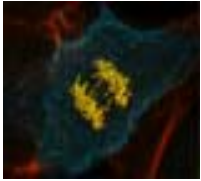

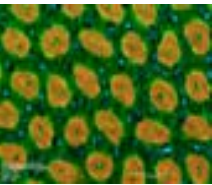

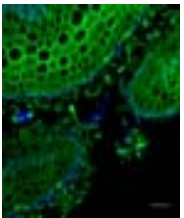
te		HM23	Dr Edna Cukierman	2.7mb	Pollen grains. Edna Cukierman, Fox Chase Cancer Center, Philadelphia, Pennsylvania, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM20	Mr Thomas Deerinck	39mb	Branching artery from a rodent's eye, demonstrating how blood flow is controlled by contraction and relaxation. Thomas Deerinck, National Center for Microscopy and Imaging Research, University of California, San Diego, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM24	Mr Thomas Deerinck	41.6mb	Human cancer (HeLa) cells. Thomas Deerinck, National Center for Microscopy and Imaging Research, University of California, San Diego, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM29	Mr Jason Devlin	11.4mb	Epithelium of human fingertip. Jason Devlin, University of Pittsburgh, Pittsburgh, Pennsylvania, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM18	Mr Stefan Eberhard	14.7mb	Cross-section of mistflower. Stefan Eberhard, Complex Carbohydrate Research Center, The University of Georgia, Athens, Georgia, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.

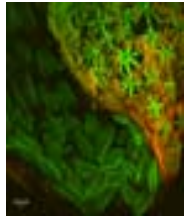
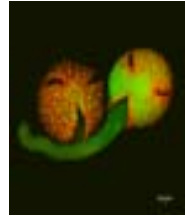


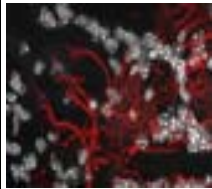
HM		HM49	Mr Stefan Eberhard	7.5mb	Cross section of a tobacco seed pod. Stefan Eberhard, Complex Carbohydrate Research Center, The University of Georgia, Athens, Georgia, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM40	Dr Kevin Edwards	11.7mb	Egg chamber from a grasshopper's ovary. Dr. Kevin Edwards, Illinois State University, Normal, Illinois, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM41	Dr Ying Fu	1mb	<i>Arabidopsis</i> epidermis. Dr. Ying Fu, University of California at Riverside, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM55	Mr Ralph Grimm	22.7mb	Dog flea <i>Ctenocephalides canis</i> . Ralph Grimm, Jimboomba, Australia. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM22	Mr Gilles Grondin	4.1mb	Mouse Kidney. Gilles Grondin, University of Sherbrooke, Sherbrooke, Quebec, Canada. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.

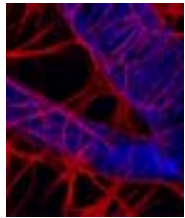
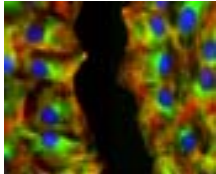
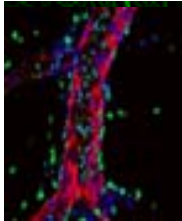
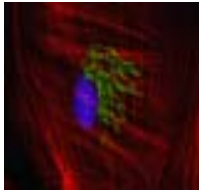
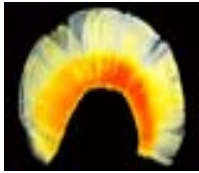
HM		HM36	Ms Amelia Harris	3.5mb	Squid embryos. Amelia Harris, Mount Holyoke College, South Hadley, Massachusetts, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM57	Dr Jim Haseloff	3mb	<i>Triticum</i> (wheat) seed. Dr. Jim Haseloff, University of Cambridge, UK. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM	 Movie	HM63	Dr Patrick Hickey	Still 2.2mb	<b>VIDEO:</b> <i>Neurospora crassa</i> (bread mold) showing nuclear movement and cytoplasmic flow. Dr. Patrick Hickey, LUX Biotechnology Ltd., ETTC Biospace, Edinburgh, Scotland, UK. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM27	Dr Jeffrey Holt	2.4mb	Mouse utricle (inner ear organ), apicle surface. 40x. Dr. Jeffrey Holt, University of Virginia, Charlottesville, Virginia, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM52	Dr Jeffrey Holt	1mb	Sensory epithelium of mouse utricle (inner ear organ), 40x. Dr. Jeffrey Holt, University of Virginia, Charlottesville, Virginia, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.


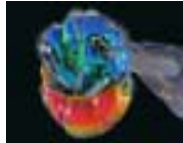

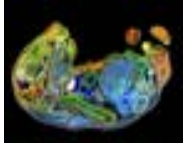

HM		HM43	Dr Balaji Iyengar	2.1mb	Patterns in <i>Drosophila</i> brain. Dr. Balaji Iyengar, University of Toronto, Ontario, Canada. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM32	Mr Eric Kalkman	3.7mb	Hyperbranching of <i>Neurospora crassa</i> (bread mold). Eric Kalkman, University of Edinburgh, UK. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM11	Mr Charles Kazilek	2mb	<i>Cyperus eragrostus</i> (sedge fibers). Charles Kazilek, Arizona State University, Tempe, Arizona, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM50	Mr Charles Krebs	8.7mb	Hummingbird feather. Charles Krebs, Issaquah, Washington, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM64	Mr Charles Krebs	8.3mb	Spirogyra. Charles Krebs, Issaquah, Washington, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.

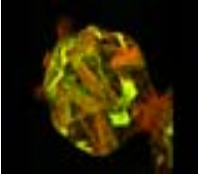
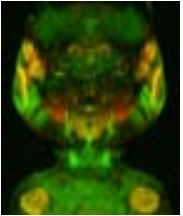
HM		HM15	Miss Sangmi Lee	548kb	Head of new species of moth: <i>Lepidoptera Gelechiidae</i> . Sangmi Lee, Mississippi Entomological Museum, Mississippi State, Mississippi, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM39	Dr Steve Lowry	21mb	Radula of mollusk. Dr. Steve Lowry, University of Ulster, Londonderry, UK. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM34	Dr Xuefei Ma	17.6mb	Mouse cerebellum. Dr. Xuefei Ma, National Heart, Lung, and Blood Institute, National Institutes of Health, Bethesda, Maryland, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM16	Dr Hiroaki Misono	4.1mb	Rat cerebellum stained for dendrites (purple) and axons (cyan). Dr. Hiroaki Misono, University of Maryland, Baltimore, MD. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM14	Mr Josh Morgan	12mb	Transgenic mouse retina. Josh Morgan, University of Washington, Seattle, Washington, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.

HM		HM44	Miss Kausalya Murthy	11.1mb	Cell division - LLC PKI pig epithelial cells in early anaphase. Kausalya Murthy, University of Massachusetts, Amherst, Massachusetts, USA, Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM13	Dr Stephen S. Nagy	27mb	Benthic diatom from the North Atlantic. Dr. Stephen S. Nagy, Helena, Montana, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM30	Dr Patrick Nahirney and Dr. Kuan Wang	536kb	"Sonic" muscle of the male singing toadfish. Dr. Patrick Nahirney and Dr. Kuan Wang, National Institutes of Arthritis, Musculoskeletal and Skin Diseases, National Institutes of Health, Bethesda, Maryland, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM47	Mr Ron Neumeyer	1.2mb	Blowfly proboscis, 60x. Ron Neumeyer, Delta, British Columbia, Canada. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM26	Dr Shirley Owens	12mb	<i>Cornus florida</i> (American Dogwood): 20x. Dr. Shirley Owens, Michigan State University, East Lansing, Michigan, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.

HM		HM51	Dr Shirley Owens	3mb	Thanksgiving cactus ( <i>Zygocatus sp.</i> ) anther with biofilm. Dr. Shirley Owens, Michigan State University, East Lansing, Michigan, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM58	Dr Shirley Owens	3mb	Thanksgiving cactus ( <i>Zygocatus sp.</i> ) pollen with growing pollen tube. Dr. Shirley Owens, Michigan State University, East Lansing, Michigan, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM56	Dr Heiti Paves	3.2mb	Cytoplasmic streaming in <i>Tradescantia</i> stamen hair cells. Dr. Heiti Paves, Tallinn University of Technology, Estonia. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM60	Mr Donald Pottle	340kb	Injured mouse eye. Donald Pottle, Schepens Eye Research Institute, Boston, Massachusetts, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM19	Dr Adam Puche	16.5mb	Olfactory bulb astrocytes. Dr. Adam Puche, University of Maryland, Baltimore, Maryland, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.

HM		HM65	Mr Richard Sarafian	286kb	Rat retinal astrocytes engulf blood vessels. Richard Sarafian, The University of Sydney, Australia. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM37	Dr Jan Schmoranzner	4.1mb	Fibroblasts about to seal/heal a wound. Cells at the front of the wound edge have their microtubule organising center (bright green) oriented towards the wound space; they are about to migrate into the wound. Jan Schmoranzner, Columbia University, New York, New York, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM31	Dr Donna Beer Stolz	3mb	Artery from abdominal fat. Dr. Donna Beer Stolz, University of Pittsburgh Medical School, Pittsburgh, Pennsylvania, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM62	Mr Tomasz Szul	9.1mb	HeLa cell (human cervical cancer cell). Tomasz Szul, University of Alabama at Birmingham, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM48	Mr Chiedozie Ukachukwu	3.2mb	Gills of a flame scallop. Chiedozie Ukachukwu, Brooklyn, New York, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.

HM		HM25	Mr Spike Walker	142kb	<i>Centranthus</i> seed. Spike Walker, Penkridge, Staffordshire, UK. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM33	Mr Spike Walker	172kb	<i>Chrysis ignita</i> . Spike Walker, Penkridge, Staffordshire, UK. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM54	Mr Spike Walker	172kb	Ciliary process. Spike Walker, Penkridge, Staffordshire, UK. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM59	Mr Spike Walker	182kb	Rat fetus. Spike Walker, Penkridge, Staffordshire, UK. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM17	Dr Petr Znachor	2.2mb	Freshwater desmid <i>Closterium</i> sp. and green algae. Dr. Petr Znachor, Institute of Hydrobiology, České Budějovice, Czech Republic. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.

HM		HM46	Dr Robert Zucker	4mb	Mosquito larva head stained with Propidium Iodide. Dr. Robert Zucker, US Environmental Protection Agency, Office of Research and Development, Research Triangle Park, North Carolina, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.
HM		HM61	Dr Robert Zucker	3mb	Mosquito larva head stained with ethidium bromide. Dr. Robert Zucker, US Environmental Protection Agency, Office of Research and Development, Research Triangle Park, North Carolina, USA. Honorable Mention, 2006 Olympus BioScapes Digital Imaging Competition.