

# HECTOR C. MIRANDA, JR.

## ADDRESS

Department of Biology,  
Texas Southern University  
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## EDUCATION

Ph.D., Biological Sciences, University of Cincinnati, 1997.

Dissertation: “Phylogenetic relationships among major owl lineages and biogeography of Philippine Scops-Owls (*Otus* and *Mimizuku*) based on mitochondrial DNA.”

M.S., Zoology, University of the Philippines at Los Baños, 1987.

B.S., Biology, University of the Philippines at Los Baños, 1981.

## EMPLOYMENT/TRAINING

### Texas Southern University

*Interim Assistant Dean for Academic Affairs* Sept. 2013 – July 28, 2015  
*Thomas F. Freeman Honors College*

### List duties

*Associate Professor (Tenured)* Sept. 2011 – present

*Assistant Professor (Tenure-track)* Sept. 2005- present

- Develop internally and externally-funded research program.
- Publish and present research papers, and conduct other scholarly activities.
- Involvement in curricular development, advisement and recruitment of students.
- Participation in local, national and international professional associations, meetings, and workshop.

### Rollins College

Aug. 2004-July 2005

*Visiting Assistant Professor in Evolutionary Biology*

- Taught undergraduate courses in Evolution, Conservation Biology, and Bioinformatics.

**University of Cincinnati**

May 2002–July 2004

*Postdoctoral Fellow*

- National Science Foundation (grant-DEB 0075306) supported project to investigate the phylogeny of rodents using nuclear genes (*Recombination Activating Gene 2*, *Interphotoreceptor Retinol Binding Protein*, *Cannabinoid Receptor type 2*, *von Willebrand factor*, *introns AP5* and *MDH2*). Laboratory of Ronald W. DeBry, Department of Biological Sciences.
- Generated phylogenies and evaluated rates and patterns of DNA evolution using various optimality criteria involving extensive computational work in different operating systems.
- Application of character-based (cladistics) and model-based (such as Maximum Likelihood) statistical methods of phylogenetic inference to test evolutionary hypotheses.

**University of the Philippines in Mindanao**

1999-2002

*Associate Professor and Department Head*

- Developed and revised the B.S. in Biology curriculum, introduced new courses for the department, advised undergraduate thesis students.
- Administered the department budget, academic programs, staff and faculty hiring and development, and research priorities.

**Philippine Eagle Foundation**

1998-2002

*Science Director*

- Designed the scientific research program for the conservation for the conservation of the Philippine Eagle (*Pithecophaga jefferyi*), one of the world's rarest, largest, and most endangered eagles.
- Designed and invented an innovative trapping method for the eagles for radio-telemetry.
- Supervised a team of Filipino and foreign volunteer biologists on field research.
- Represented the PEF during international and national conferences and meetings.
- Surveyed remote areas in Mindanao and Samar islands for population biology studies.
- Provided scientific guidance and assistance to the captive-breeding, conservation education and community-based programs.
- Involved in retrieval, rehabilitation, and release of captured eagles.
- Developed, wrote project proposals and help secure funding for the project.

**Children's Hospital Research Foundation, Cincinnati, OH**

1997-1998

*Research Assistant III, Division of Human Genetics*

- Conducted basic molecular biology experiments such as DNA extraction, Polymerase Chain Reaction (PCR), Southern blotting, tissue culture, protein and enzyme assays, breeding, maintenance, and genotyping of both transgenic and knockout mice. Laboratory of Dr. Gregory Grabowski.

**University of Michigan**, Ann Arbor, MI 1997  
*Research Associate*

- Investigated the genetic structure and evolutionary relationships among birds of prey. Laboratory of Dr. David Mindell.

**University of Cincinnati**, OH 1992-1997  
*Graduate Teaching Assistant*

**Cincinnati Museum of Natural History** 1992-2000  
*Adjunct Associate Curator of Ornithology*

- Conducted periodic preparation and archiving of voucher specimen.
- Analysis of data.

**Cincinnati Museum of Natural History and Philippine National History Museum Philippine Biodiversity Inventory** John D. and Catherine T. MacArthur foundation grant to Robert S. Kennedy.  
*Ornithologist*

- Led a team of naturalists from the US and the Philippine National Museum Conducting systematic surveys of vertebrates, preparation of voucher specimen, preparation of tissue samples for genetic studies, and documenting many aspects of Philippine natural history.
- Conducted inventories of vertebrates along altitudinal gradients in Zambales, Mt. Madja-as in Panay, Mt. Apo in Mindanao, Mt. Halcon in Mindoro island, St. Paul's National Park in Palawan, Tawi-Tawi of the Sulu Archipelago, Batan islands, and Olango island in Cebu.

**University of the Philippines at Los Baños** 1988-1991  
*Assistant Professor in Biology*

**Philippine Eagle Conservation Program**, World Wildlife Fund 1981-1983  
*Research Biologist*

- Was a part of an international team organized to study the endangered Philippine Eagle.
- Conducted population surveys in the rainforests of Luzon, Leyte and Mindanao.
- Nest-site studies, food habits, courtship and breeding behavior, juvenile Development.
- Evaluated prey species density and diversity.
- Developed educational programs for conservation of the eagles and the rainforest.

## PEER-REVIEWED PUBLICATIONS

Quach, T., D. Brooks, and **H. C. Miranda, Jr.** 2014. Complete mitochondrial genome sequence of Palawan Peacock-Pheasant *Polyplectron napoleonis* (Galliformes, Phasianidae). *Mitochondrial DNA*. PMID: 24971623.

- Omeire, D., S. Abdin, D.M. Brooks, and **H.C. Miranda Jr.** 2014. Complete mitochondrial genome of Germain's Peacock-Pheasant *Polyplectron germaini* (Aves, Galliformes, Phasianidae). *Mitochondrial DNA* PMID: 24460165
- Miranda, H. C. Jr.** D. Brooks and R. S. Kennedy. Phylogeography and taxonomic review of Philippine Scops-Owls (Strigidae) based on mitochondrial DNA and morphology (under revision).
- Miranda, H. C., Jr.** 2010. The Philippine Eagle. In Tingay, R. and T. Katzner (eds.). *The Eagle Watchers* (in press) Cornell University Press.
- Blanga-Kanfi, S., **H. Miranda**, O. Penn, T. Pupko, R. W. DeBry, and D. Huchon. 2009. Rodent phylogeny revised: Analysis of six nuclear genes from all major rodent clades. *BMC Evolutionary Biology*.9:71.
- Kennedy, R. S. and **H. C. Miranda, Jr.** 2008. Family Rhabdornithidae (Rhabdornis). Pp. in: del Hoyo, J. Elliott, A. and Christie. Eds. *Handbook of the Birds of the World*. Vol 13. Penduline-tits to Shrikes. Lynx Ediciones, Barcelona, Spain.
- Sodhi, N. S., D. Astuti, A. C. Diesmos, P. Ericson, N. Fernandopulle, S. Kotagama, E. Kudavidanage, H. C. Lim, B. Lee, S. Lim, Y. Lin, D. Lohman, W. MEckvichai, **H. Miranda**, + 11 others. 2007. Barcoding Indo-Malayan Birds. *The Raffles Bulletin of Zoology*. 55:397-398.
- Miranda, H. C., Jr.** and J. Ibañez. 2006. A modified bal-chatri to trap Great Philippine Eagles for radio-telemetry. *Journal of Raptor Research* 40:235-237.
- Ibañez, J. , **H. C. Miranda Jr.** G. Ibañez, D. S. Afan and R. S. Kennedy. 2003. Notes on the breeding behavior of a pair of Philippines Eagles at Mt. Sinaka, Mindanao. *Wilson Bulletin*. 333-336.
- Bueser, G. L., K. Bueser, D. S. Afan, D. I. Salvador, J. W. Grier, R. S. Kennedy and **H. C. Miranda, Jr.** 2003. Nesting density and distribution of Philippine Eagles in Mindanao: What do we know after 100 years? *Ibis*.145:130-135.
- Miranda, H., Jr.**, D. I. Salvador, and G. L. L. Bueser. 2002. On the population biology and status of the Philippine Eagle (*Pithecophaga jefferyi*). Pages 152-157 in Raptors in the new millennium: Proceedings of the joint meeting of the Raptor Research Foundation and the World Working Group on Birds of Prey and Owls (R. Yosef, M. R. Miller, and D. Pepler, Eds.). International Birding & Research Center, Eilat, Israel.
- Miranda, H. C. Jr.**, R. S. Kennedy, R.V. Sison, P. C. Gonzales, and M. F. Ebreo. 2001. New records of birds from the island of Panay, Philippines. *Bulletin of the British Ornithological Club*. 120:267-280.

- Tadena, D. O., D. I. Salvador, **H. C. Miranda**, and A. M. Aya-ay. 2001. Captive breeding by natural pairing, incubation and chick-rearing methods for Philippine Eagles. *Sylvatrop* 10: 45-58.
- Miranda, H. C. Jr.**, D. I. Salvador, J. Ibañez, and G. Ibañez. 2000. Summary of the Philippine Eagle breeding success, 1978-1998. *Journal of Raptor Research*. 34:37-41.
- Kennedy, R. S., P. Gonzales, E. Dickinson, **H. C. Miranda, Jr.** and T. Fisher. 2000. A Guide to the Birds of the Philippines. Oxford University Press, Oxford UK.
- Miranda, H. C., Jr.**, D. P. Mindell. and R. S. Kennedy. 1998. The molecular phylogeography of Philippine Scops-Owls and implications to ornithology. *Sylvatrop* 8:12-26.
- Afan, D. S., J. C. Ibanez, G.L. Bueser, K. Gatil, G. B. Ibanez and **H. C. Miranda, Jr.** Notes on movement and behavior of a post-fledging Philippine Eagle at Mt. Sinaka, Mindanao island. *Sylvatrop* 10 (1&2) 52-69.
- Kennedy, R. S. and **H. C. Miranda, Jr.** 1998. In memoriam: Dioscoro S. Rabor, 1911-1966. *Auk* 115: 204-205.
- Miranda, H. C., Jr.** , R. S. Kennedy and D. P. Mindell. 1997. The phylogenetic placement of *Mimizuku gurneyi* (Aves: Strigidae) inferred from mitochondrial DNA. *Auk* 114:315-323.
- R. S. Kennedy, P. D. Gonzales, and **H. C. Miranda, Jr.** 1997. A new sunbird *Aethopyga* sp. From Mindanao, Philippines. *Auk* 114:1-10.
- Mindell, D. P., M. D. Sorenson, C. J. Huddleston, **H. Miranda, Jr.**, A. Knight, S. J. Sawchuck, and T. Yuri. 1997. Phylogenetic relationships among and within select avian orders based on mitochondrial DNA. Pp. 211-245 in D. P. Mindell, (ed). Avian Molecular Evolution and Systematics. Academic Press, New York.
- Balete, D. S. **H. C. Miranda, Jr.**, L. R. Heaney, and J. F. Rieger. 1992. Diversity and conservation of Philippine land vertebrates: an annotated bibliography. *Silliman Journal* 36:129-149.
- Aspiras, R. B., R. C. Pabale, **H. C. Miranda, Jr.**, A. R. de la Cruz, C. B. Paris. 1980. Dinitrogen fixation in the root nodules of *Casuarina* pp. *Kalikasan: Philippine Journal of Biology*. 9(2-3) 317-320.

## ABSTRACTS/ PRESENTATIONS

- Co-Author. “Sequencing the mitochondrial genome of the Giant Scops-Owl (*Otus gurneyi*) and review of the phylogeny of the Old World *Otus*.” Raven Reed, Amanda Nicole Jackson, and Hector Miranda Jr. COSET Summer Undergraduate Research Program, Texas Southern University, July of 2015.
- Poster co-author. “ Sequencing the mitochondrial genome of the Flying Lemur (*Cynocephalus volans*) to revisit the gliding Colugo(Dermoptera) – primate sister hypothesis. Chastity Greene and Hector Miranda Jr. Texas Undergraduate Research Day at the Capitol, Austin, TX. March 4, 2015
- Co-Author. “Revisiting the Flying Primate Hypothesis based on the Sequencing the complete mitochondrial genome of Palawan Peacock-Pheasant (*Polyplectron napoleonis* and Phasianidae phylogenomics.” Tommy Quach and Hector Miranda, Jr. National Association of African American Studies, Baton Rouge, LA February 15, 2014
- Co-author. “Genetic distance between tow allopatric island hawk-owls: *Ninox philippensis* and *Ninox spilocephala* based on nearly complete mitochondrial genomes.” Amanda Nicole Jackson and Hector Miranda, Jr. 2014 Summer Undergraduate Research Program. Texas Southern University. July 31, 2014.
- Co-author. “DNA sequence divergence of the Philippine Colugo *Cynocephalus volans* and their phylogenetic relation based on complete mitochondrial genome. Chastity Greene and Hector Miranda Jr. 2014 Summer Undergraduate Research Program. Texas Southern University. July 31, 2014. **First Place Winner for TSU Undergraduate Research Presentation.**
- Co-author. “Sequencing the complete mitochondrial genome of the Malayan Peacock-Pheasant *Polyplectorn malacense* and estimating genetic distances with *P. bicalcartum* and *P. napoleonis*.” Benjamin Caballero and Hector Miranda Jr. 2014 Summer Undergraduate Research Program. Texas Southern University. July 31, 2014
- Co-author. “Mitogenome alignment, translation analysis, tRNA secondary structure inference and annotation of the Malayan Peacock-Pheasant (*Polyplectron malacense*). Hailey McClenon, Ashraf Mozayani, and Hector Miranda Jr. Summer Undergraduate Research Program. Texas Southern University. July 31, 2014
- Co-author. “A molecular phylogeny of Old World Scops-Owls (*Otus*, Strigidae).” Carl H. Oliveros, Univ. Kansas, Lawrence, KS, Jerome Fuchs, Jean-Marc Pons, Mus. Nat. Hist. Naturelle., Paris, France, Paul R. Sweet, Am. Mus. Nat. Hist., New York, NY, Hector C. Miranda Jr., Texas Southern Univ. Houston, TX, and Robert G. Moyle, Univ. Kansas. 131<sup>st</sup> Meeting of the American Ornithologist Union, August 14-17 2013, Chacago, IL.

- Co-author, “Bioinformatics approaches to decoding the mitochondrial genome of the Palawan-Peacock Pheasant *Polyplectorn napoleonis*. COST Summer Undergraduate Research Program, Texas Southern University, July 2013.
- Co-author. “..... Omeire, Kingsley..
- 
- **Speaker**, “Molecular phylogenetics and evolution: The intersection of biology, computer science and mathematics.” COST Research Week Symposium. April 3, 2009.
- **Speaker**, “Rodent phylogeny based on six nuclear genes.” TSU Research Week. Texas Southern University. March 31, 2009.
- Co-author with Leighan Pollard, Oral presentation on “Molecular phylogeography of Southeast Asian perching birds (Passeriformes) based on COI barcode. Texas Academy of Science Annual Meeting, Junction, Texas. March 6, 2009
- Poster co-author, Rates and patterns of mitochondrial COI change in *Aspergillus* and other fungi.” S. Abdin, O. Jejelowo, A. Sodipe, and **H. Miranda, Jr.** Texas Academy of Science Annual Meeting, Junction Texas. March 6, 2009
- **Speaker**, “Of mice and birds: The phylogenetic perspective to biodiversity.” Institute of Biology, College of Science, University of the Philippines. April 18, 2008.
- **Speaker**, 17<sup>th</sup> Annual Philippine Biodiversity Symposium. Wildlife Conservation Society of the Philippines. Leyte, Philippines, April 14-16, 2008.
- **Speaker**, “Human evolution: What genes and rocks tell us.” Darwin Day 2008, February 9, 2008, Rice University, Houston.
- **Speaker**, “The history of evolutionary thinking,” Darwin Day 2007. Humanist of Houston.
- **Symposium Speaker.** Miranda, H. C. 2006. New insights on the population ecology and survival of the Philippine Eagle based on radio-telemetry. Symposium on Systematics, Genetic Diversity and Conservation of Raptors.. Wings without borders: IV North American Ornithological Conference, October 3-7, 2006, Veracruz, Mexico, pp. 225. American Ornithologists' Union, Waco, TX, USA.
- **Symposium Speaker**, On the population biology and status of the Philippine Eagle (*Pithecophaga jefferyi*). 4<sup>th</sup> Eurasian Raptor Congress, Seville, Spain, 25 September 2001

- **Speaker**, World Conference on Birds of Prey and Owls, Eilat, Israel, 2 April 2000
- **Poster presentation**. 1<sup>st</sup> Asian Raptor Research and Conservation Conference, Osaka, Japan, 15 December 1998.
- **Speaker and Chair of the Owl Systematics Session**, American Ornithologist Union, 115th Meeting, St. Paul, Minnesota, 13 August 1997.
- **Member, Organizing Committee and Poster Presentation**, American Ornithologist Union, 113<sup>th</sup> Meeting, Cincinnati, 15-19 August 1995.

## REVIEWER

- Losos, J. B. K. A. Mason, S. R. Singer. 2007. Biology, 8<sup>th</sup> edition. McGraw Hill.
- Solomon, Berg and Martin, 2006. Biology for majors, Thomson/Brooks/Cole.
- National Science Foundation *Ad hoc* Reviewer, 2010
- National Science Foundation Review Panelist for Climate Change and Education 2010, Arlington, VA

## PROFESSIONAL ORGANIZATIONS

- Member, All Bird Barcoding Initiative, IndoMalayan Section
- American Ornithologist's Union, 1985, 1995-2003, 2005-present
- Society for Systematic Biology, 1995-1996, 2005-present
- Society for Conservation Biology, 1986-1991
- Cooper Ornithological Society, 1998-2003
- Wilson Ornithological Society, 1998-2003
- Association of Field Ornithologists, Inc. 1998-2003
- The Raptor Research Foundation, 1998-2003
- Conservation International Philippines, Mindanao Coordinator, 2000-2002
- Member, Philippine Eagle Working Group, 1998-present
- Member, Science Committee of the Philippine Eagle Foundation, 2004-present
- Board Member, Wildlife Conservation Society of the Philippines, 1998-2002
- American Association for the Advancement of Science, 2005-2006

## FELLOWSHIPS, SCHOLARSHIPS and AWARDS

- Awardee. College of Science and Technology Dean Leadership Award, 2011
- Awardee. College of Science and Technology Dean Leadership Award, 2010
- The Archibald Granville Bush Award for Excellent Standard in Academic Pursuits, Rollins College, 2005
- Nominee, Best New Faculty Award, Rollins College, 2005
- International Publications Award, University of the Philippines, 2000



- University Graduate Scholarship, University of Cincinnati, 1992-1997
- Visiting Scientist, Field Museum of Natural History, Chicago, Illinois, 1991
- Exchange Fellow, British Council Higher Education Exchange Program, University College Cardiff, Wales, United Kingdom, 1988.

## **FUNDED RESEARCH/TRAVEL GRANTS**

- Co-PI. “Rates and patterns of microbial evolution in space stations” under NASA University Research Center - Center for Bionanotechnology and Environmental Health (C-BER) Thrust II: Space Microbiology, 2008-2013, \$5 M over 5 years, under the direction of Dr. Olufisayo Jejelowo.
- Texas Southern University Seed Grant, 2005, \$8,000.00
- Texas Southern University Seed Grant, 2007, \$38,000.00
- Texas Southern University Seed Grant, 2009, \$15,000.00
- Graduate School Research Enhancement Support, 2007, \$2000.00
- Travel grant, Smithsonian Institution, All Birds Barcoding Initiative-Indo-Malayan Organizational Meeting, National University of Singapore, March 8-9, 2007.
- Travel grant, NSF thru Dr. David Mindell. IV North American Ornithological Conference meeting. Veracruz, Mexico, Oct. 3-7, 2006.
- Wrote Marubeni Power Corporation grant proposal for the Philippine Eagle Foundation \$25,000/yr for six years (total of \$125,000.00 from 2000 To 2006) funding (undocumented).
- Peregrine Fund grant, with Dr. David P. Mindell of the University of Michigan, \$8,000.00, 1997.
- Marcia Brady Tucker Travel Award, 115<sup>th</sup> American Ornithologist’s Union, University of Minnesota, St. Paul. 1997, \$250.00
- Wiemen/Wendel Summer Fellowships Award, University of Cincinnati, Summer, 1995 and Summer, 1996
- National Wildlife Federation (NWF) grant through the Haribon Foundation to study the biology and ecology of the Philippine Falconet, \$5,000.00, yr 1990

## **GRANT PROPOSALS SUBMITTED SINCE 2011 NOT FUNDED**

**NASA WITH DR, OYEKAN,**

**WITH NIH WITH DR, OYEKAN**

## **TEACHING EXPERIENCE**

**Texas Southern University, Texas**

Sep. 2005-present

- BIOLOGY 434: Evolutionary Biology (Fall 2015)
- BIOLOGY 332: Bioinformatics (Spring 2013, Spring 2014, Spring 2015)
- BIOLOGY 712: Biosynthetic Mechanisms (Fall 2007, Winter 2008, Fall 2008)

- BIOLOGY 131: General Biology (Fall 2005, Summer I and II 2006, Fall 2006, Summer I and II 2007, Fall 2007, Summer I 2009, Fall 2009)
- BIOLOGY 132: General Biology (Spring 2006, Summer I and II 2006, Spring 2007, Summer I and II 2007, Winter 2008, Summer I 2008, Winter 2009, Summer II 2009)
- BIOLOGY 341: Organismic Biology (Fall 2005, Spring 2006, Fall 2006, Spring 2007, Fall 2007, Spring 2008, Fall 2009)
- BIOLOGY 341L: Organismic Biology Laboratory (Fall 2005, Spring 2006, Fall 2006, Spring 2007, Fall 2007, Spring 2008, Fall 2009)
- BIOLOGY 439: Principles of Biology (Fall 2005, Summer 2006, Fall 2006)
- BIOLOGY 401: Undergraduate Research (Fall 2006, 1 credit unit, every semester thereafter until the present)

**Rollins College, Florida**

Aug. 2004-May 2005

- Sustaining Biodiversity (non-majors, lecture and lab, Fall 2004)
- Journal Club (2 credit units, Fall 2004, seniors)
- Evolution (4 credit units, Spring 2005)
- Bioinformatics (6 credit units, Spring 2005)
- Freshman Biology (2 credit units, lab, Spring 2005)

**University of the Philippines in Mindanao**

Jan 1999-May 2002

- Systematic Zoology (3 hr lab, 2 hr lecture)
- Introduction to Molecular Biology (2 hr lecture)
- Evolutionary Biology (3 hr lecture)
- General Biology (3 hr lecture)
- Ecology (3 hr lecture)
- Animal Ecology (3 hr lecture, 3 hr lab)
- Genetics (3 hr lecture)

**University of Cincinnati**

1992-1997

- Freshman Biology for majors (as Graduate Teaching Assistant)

**University of the Philippines at Los Baños**

1985-1991

- Ornithology (6 hr lab and 2 hr lecture)
- Wildlife Ecology (3 hr lecture)
- Comparative Anatomy of Vertebrates (6 hr laboratory)
- Conservation Biology in the Tropics (3 hr lecture)
- Freshman Biology (3 hr lab)

**TSU Committee Memberships and Positions**

- Chair, COST Website and Instructional Computation Committee, 2009-2011
- Member, COST Committee on WebSite, 2007-present
- Member, Department Chair Search Committee, 2007
- Member, TSU Graduate School, 2006-present

### **Current Graduate Students**

- Leighan Pollard, M.S. current. Thesis – “ Phylogeography of Philippine Passeriformes based on mitochondrial *cytochrome oxidase I* barcode.”
- Shaunte Abdin, M. S. current. Thesis project – “Phylogeny of *Aspergillus* and other fungi based on *cytochrome oxidase I*.”
- Tiarra Spencer, M.S. in Biology, current. Thesis project- “Phylogeny of *Aspergillus* based on the *Internally Transcribed Spacer (ITS)* and *Elongation Factor 1 alpha (EF-1)*.”

### **Graduate Student Committee Membership**

#### **Update this list.. get info form Ms Helen...**

- Adedotun Adebawale, Ph.D. in Environmental Toxicology, 2009
- Kristina Pevey, Ph. D. in Environmental Toxicology, candidate – current
- Lyndon Lyons, M.S. in Biology 2008
- Tenice Farrow, M.S. in Biology 2008
- George Blanco, M.S. in Biology 2008
- Shichen Jia, M.S. in Transportation Science, 2007.
- Venus Ruben, M.S. candidate-current

### **Department Committee Membership**

- Curriculum Committee
- Recruitment Committee
- Library/Acquisition Committee
- Research and Graduate Studies Committee
- Student Development Committee
- Ph.D. Program Committee

### **Department of Biology Committee Membership (current)**

- Member, Curriculum Committee
- Member, Recruitment Committee
- Member, Library Acquisition Committee
- Member, Committee for Research and Graduate Studies
- Member, Student Development Committee
- Member. Ph.D. Program Committee

### **College Committee Membership**

- Member, Standing Committee on Faculty Development, 2006-2009
- Member, Committee on Facilities, Planning and Enhancement, 2006-2009
- Chair, Website and Instructional Computing Committee, 2009-2011

### **University Committee Membership**

- TSU Faculty Manual Committee, 2011-2014
- University Curriculum Committee, *year?*

### **Texas Southern University COST Web Pages**

The following web pages were published by Ms. Maribel Handy at <http://www.tsu.edu> but the original architecture and content of these pages were the creation of Dr. Hector Miranda, Jr. These pages will soon be revised.

<http://www.tsu.edu/pages/3358.asp>  
<http://www.tsu.edu/pages/3360.asp>  
<http://www.tsu.edu/pages/3361.asp>  
<http://www.tsu.edu/pages/3368.asp>  
<http://www.tsu.edu/pages/3370.asp>  
<http://www.tsu.edu/pages/3373.asp>  
<http://www.tsu.edu/pages/3374.asp>  
<http://www.tsu.edu/pages/3384.asp>  
<http://www.tsu.edu/pages/3322.asp>  
<http://www.tsu.edu/pages/3323.asp>  
<http://www.tsu.edu/pages/3324.asp>  
<http://www.tsu.edu/pages/3438.asp>

The following COST web pages are currently under construction and scheduled to be published by third week of October 2009. The development of these pages are made by Dr. Hector Miranda with input, contributions, and critique from members of the newly-formed COST Website and Instructional Computation Committee which Dr. Miranda heads.

<http://www.tsu.edu/pages/3517.asp>  
<http://www.tsu.edu/pages/3520.asp>  
<http://www.tsu.edu/pages/3521.asp>  
<http://www.tsu.edu/pages/3522.asp>  
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<http://www.tsu.edu/pages/3564.asp>  
<http://www.tsu.edu/pages/3565.asp>

## **NASA CBER Multimedia**

In 2009, Dr. Hector Miranda made short documentary films as part of the outreach and extension programs of the NASA URC CBER program. Two videos were uploaded to **YouTube** to reach the global audience.

Movie clip 1: DREME Project:

<http://www.youtube.com/watch?v=jGSlaLS6BR8>

Movie clip 2: CBER visits Loma Linda University

<http://www.youtube.com/watch?v=lPHvfS5ViqU&feature=related>

Movie clip 3: NASA CBER Part 1 slide show

Movie clip 3: NASA CBER Part II slide show

## **OTHER ACCOMPLISHMENTS**

- During the last two and a half decades, Dr. Hector Miranda has given countless seminar presentations, interviews over radio, print media and television on nature, conservation and other environmental issues. These included a 10-minute documentary on the conservation of the Philippine Eagle and the rainforest on a **CNN** segment *Our Planet*, hosted by Gary Strieker in 2000. Dr. Miranda's interview and citation by the **National Geographic Society** was the core theme of one article in their February 2008 issue entitled, "*Lord of the Forest.*"

## **CHARACTER REFERENCES**

### **Desiree Jackson, Ph.D.**

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### **Marian Hillar, M.D., Ph.D.**

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Director, Center for Philosophy and Socinian Studies

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**Ronald W. DeBry, Ph.D.**

Associate Professor  
Department of Biological Sciences, ML006  
University of Cincinnati  
Cincinnati, OH 45221-0006 USA  
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**David P. Mindell, Ph.D.**

Dean of Sciences & Research Collections  
Harry W. and Dianna V. Hind Chair  
Curator of Ornithology  
California Academy of Sciences  
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San Francisco, CA 94118  
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**Robert S. Kennedy, PhD.**

Director of Natural Sciences  
Maria Mitchell Association  
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**Eileen Gregory, Ph.D.**

Professor and Department Chair  
Department of Biology  
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Jim

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