

# **ENDOCRINE FELLOWS FOUNDATION**

## **PRECEPTORSHIP IN METABOLIC BONE DISEASES COLUMBIA UNIVERSITY MEDICAL CENTER May 7-18, 2012**



**APPLICATION IS DUE ON OR BEFORE MARCH 26, 2012**

**Return Application To:  
Endocrine Fellows Foundation  
1310 19<sup>th</sup> Street, NW  
Washington, DC 20036  
info@endocrinefellows.org**

**Telephone Inquiries  
Toll Free: (877) 877-6515  
Fax: (202) 223-1762**

*The dates for the Preceptorship are final.  
If you cannot attend the entire period, please do not apply.  
Only 2<sup>nd</sup> and 3<sup>rd</sup> year fellows are eligible.  
No exceptions will be made.*

## **Endocrine Fellows Foundation Preceptorship Program Description and Schedule**

Accredited endocrinology training programs provide adequate exposure to all clinical areas. However, not all programs can provide in-depth exposure to specific areas such as metabolic bone diseases. The Endocrine Fellows Foundation and Columbia University are pleased to announce a preceptorial experience to meet this need. They will be awarded to fellows who desire a greater experience in metabolic bone diseases. Stipends will be provided for travel, hotel, and meals. A description follows of the preceptorship to be offered in Metabolic Bone Diseases at Columbia University, College of Physicians and Surgeons.

**Metabolic Bone Diseases**  
**Columbia University, College of Physicians and Surgeons**  
**New York, New York**  
***John P. Bilezikian, M.D.***  
***Chief, Division of Endocrinology***  
**May 7 – 18, 2012**

The Preceptorial in Metabolic Bone Diseases, sponsored by the Endocrine Fellows Foundation, is conducted at the Columbia University Medical Center, Division of Endocrinology. The faculty that will be conducting this Preceptorship in the Metabolic Bone Diseases Unit is comprised of Drs. John P. Bilezikian, Ethel S. Siris, Elizabeth Shane, Shonni J. Silverberg, Mishaela Rubin, Aubrey Stoch, Allison Pack, Jessica Fleischer, Gerard Karsenty, Patricia Ducy, Stavroula Kousteni, Serge Cremers, Tom Nickolas, Marcella D. Walker, Adi Cohen, Robert Lindsay, David Dempster, Felicia Cosman, Jeri Nieves, Ronald Staron, Donald McMahon, Stavroula Kousteni, Neil Binkley, Wylie Hembree, Emily Stein, and Michael Yin.

The faculty engages in a vigorous clinical research program as well as in an active practice. Their expertise extends also to more fundamental research initiatives in the mechanisms of calciotropic hormone action and bone cell biology. Diagnostic and therapeutic approaches used by the group are on the cutting edge of the field, and in many instances, have been defined by their efforts. These approaches include bone mass measurement techniques; application of calciotropic hormones and metabolic bone marker measurements to evaluation and therapy; bone biopsy with histomorphometric analysis (in collaboration with the Regional Bone Center of Helen Hayes Hospital, an affiliate of the Columbia University Medical Center), basic bone cell biology, transcriptional control of bone cell function and the most recent advances in the therapeutics of bone disorders. The Columbia Faculty at Helen Hayes Hospital includes Robert Lindsay, David Dempster, Felicia Cosman, and Jeri Nieves.

The fellows who are selected to participate in this program will gain experience in all these areas. The discipline of clinical investigation will be introduced also with individual tutorials on protocol design, acquisition, and interpretation of data, and statistical testing. Additionally, the preceptorial will consist of regular conferences replete with clinical case discussions, journal club, and research seminars. The preceptorial will also emphasize heavily the clinical approach to the patient with metabolic bone disease. The diagnostic and therapeutic approach to a wide variety of clinical problems will be reviewed case by case with the fellow. During the two-week training period, there will be many opportunities to have discussions with many members of the faculty.

**Tentative Schedule for Metabolic Bone Diseases Preceptorial**  
**May 7-18, 2012**  
**(Times and Topics Subject to Change)**

**May 7:**

1. Welcome & Introduction to Metabolic Bone Diseases (Dr. John Bilezikian)
2. Primary Hyperparathyroidism (Dr. Shonni Silverberg)
3. Hypoparathyroidism (Dr. Mishaela Rubin)
4. Diabetes and Bone (Dr. Mishaela Rubin)

**May 8:**

5. Hypercalcemia (Dr. Bilezikian)
6. Hypocalcemia (Dr. Bilezikian)
7. Bone Density and Fracture Prediction in Chronic Renal Disease (Dr. Thomas Nickolas)
8. Reciprocal regulation of bone and energy metabolism (Dr. Gerard Karsenty)

**May 9:**

9. Molecular links between bone remodeling and glucose homeostasis (Dr. Stavroula Kousteni)
10. Osteoporosis 1. (Dr. Bilezikian)
11. Radiology of Metabolic Bone Diseases (Dr. Ronald Staron)

**May 10:**

12. HIV and Bone (Dr. Michael Yin)
13. Vitamin D insufficiency and bone metabolism in severe obesity (Dr. Emily Stein)
14. Bone Rounds (All Faculty)

**May 11:**

15. Osteoporosis II (Dr. Bilezikian)
16. Planning for Statistical Evaluation of Clinical Research (Don McMahon)
17. Bone Mineral Density/High resolution imaging demonstrations (Dr. Adi Cohen; Kevin Morgan, Lori Olsson, Fernando Rosete)

**May 14:**

18. Hypogonadism; sex steroids, and bone skeletal health in the male (Dr. Wylie Hembree)
19. Osteoporosis in Men (Dr. Bilezikian)
20. Regulation of leptin and the sympathetic nervous system (Dr. Patricia Ducy)
21. Antiseizure medications and bone (Dr. Alison Pack)
22. Clinical Pharmacokinetics & Pharmacodynamics of bisphosphonates (Dr. Serge Cremers)

**May 15:**

23. Helen Hayes Hospital: Bone biology: basic and histomorphometric concepts; clinical research; epidemiology of bone (Drs. Dempster, Lindsay, Cosman, and Nieves)

**May 16:**

24. Saropenia: a new clinical syndrome (Dr. Neil Binkley)
25. Racial differences in bone density and fracture risk (Dr. Marcella Walker)
26. Osteoporosis in premenopausal women (Dr. Elizabeth Shane)
27. Individual research time (All Preceptees)
28. Outreach Programs after the Fragility Fracture (Dr. Dinaz Irani)

**May 17:**

29. Metastatic Bone Disease (Dr. Aubrey Stoch)
30. Skeletal Metabolism following Bariatric Surgery (Dr. Jessica Fleischer)
31. Therapeutic Horizons for Osteoporosis (Dr. Bilezikian)
32. Osteoporosis after organ transplantation (Dr. Shane)
33. Paget's disease (Dr. Ethel Siris)
34. Sclerostin and the regulation of skeletal metabolism (Dr. Aline Costa)
35. Bone Rounds (All Faculty)
36. Metropolitan New York Bone Club (Dr. Neil Binkley)

**May 18:**

37. Presentation of Research Projects (All Fellows, Dr. Bilezikian and Faculty)
38. Wrap-up and evaluation (Preceptees and Dr. Bilezikian).

ENDOCRINE FELLOWS FOUNDATION  
 METABOLIC BONE DISEASES PRECEPTORSHIP APPLICATION (2012)



\_\_\_\_\_  
 Full Name

\_\_\_\_\_  
 Institution

\_\_\_\_\_  
 Office Address

\_\_\_\_\_  
 Telephone Number      Fax Number      Cell Phone      E-mail

**Background Training:**

	Name	Location	Year Graduated or Completed
College			
Medical School			
Residency in Internal Medicine			
	Site	Program Director	Fellowship Status
Endocrinology Fellowship			Start Date:  Completion Date:

**Specific Subspecialty Interest** \_\_\_\_\_

**\*\*Please attach: 1) a one-page statement from the fellow's program director supporting the application; 2) a one-page statement from applicant (fellow) on why he/she desires training in the above preceptorship designation; and 3) a Curriculum Vitae.**

\_\_\_\_\_  
 Signature

\_\_\_\_\_  
 Date

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 Washington, DC 20036  
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**Disclaimer:**  
 The Endocrine Fellows Foundation recognizes the preceptorship as an added educational experience for endocrine fellows. The content and educational curricula remain at the discretion of the Program Director and individual faculty.