Conquering Cancer: New Frontiers in Treatment

**DR. KENT OSBORNE**
Dr. Kent Osborne is Director of the Dan L Duncan Cancer Center and Professor of Medicine and of Molecular and Cellular Biology at Baylor College of Medicine. Dr. Osborne holds the Dudley and Tina Sharp Chair for Cancer Research. He is a renowned physician-scientist whose research has focused on understanding the mechanisms of resistance to ER- and HER2-targeted therapies in breast cancer. He received medical degree with honors from the University of Missouri and completed his residency at Johns Hopkins in 1974, and his medical oncology fellowship at the National Cancer Institute in 1977. He was a faculty member at The University of Texas Health Science Center at San Antonio before joining Baylor in 1999. Dr. Osborne is the recipient of the Komen Foundation Award for Scientific Distinction and the Brinker International Award.

**DR. MATTHEW ELLIS**
Dr. Matthew Ellis is Director of the Lester and Sue Smith Breast Center at Baylor College of Medicine and holds the C. Kent Osborne M.D. Chair in Breast Research. He recently was named a McNair Scholar of the McNair Medical Institute at Baylor College of Medicine and a Cancer Prevention Research Institute of Texas Scholar. Dr. Ellis has been instrumental in developing a Genome Atlas and Therapeutic Road Map for estrogen receptor positive breast cancer, and recent work has focused on metastatic breast tumors that are resistant to therapies. He completed his medical degree at Queens’ College & School of Clinical Medicine at the University of Cambridge in England, postgraduate clinical training at the Royal College of Physicians in London and earned a Ph.D. at the Royal Postgraduate Medical School and Imperial Cancer Research Fund at the University of London. After a medical oncology fellowship at the Lombardi Cancer Center at Georgetown University, he was at Duke University and Washington University in St Louis.

**DR. MICHAEL COBURN**
Dr. Michael Coburn is Professor and Chair of the Scott Department of Urology and holds the Russell and Mary Hugh Scott Chair in Urology at Baylor College of Medicine. Dr. Coburn’s clinical and research interests focus in the areas of urologic trauma, genitourinary reconstructive surgery and sexual and reproductive dysfunction. He is the urology residency Program Director at Baylor, and Vice Chair of the Faculty Group Practice. He is the recipient of many awards for his educational and clinical work, including the Robertson Presidential Educator Award for lifetime achievement in educational leadership at Baylor College of Medicine. Dr. Coburn is a graduate of Cornell University School of Medicine and completed his residency at Baylor, followed by fellowship training as an American Foundation of Urologic Disease Scholar, also at Baylor.

**THE DAN L. DUNCAN CANCER CENTER**
The Dan L. Duncan Cancer Center at Baylor College of Medicine is one of 64 NCI-designated cancer centers in the U.S. and one of only four in Texas. The Duncan Cancer Center is a collaboration of physicians and scientists and a consortium made up of Baylor, Baylor St. Luke’s Medical Center, Ben Taub Hospital, Michael E. DeBakey Veterans Affairs Medical Center, and Texas Children’s Hospital.

The Duncan Cancer Center at Baylor brings together all of the cancer-related activities from across these institutions under one umbrella, fast-tracking our efforts to prevent, diagnose and more effectively treat adults, children, the underserved and U.S. veterans.

A National Cancer Institute designated cancer center, we offer the best minds in cancer treatment backed by the renowned researchers of Baylor, improved outcomes through comprehensive, personalized care, and access to the latest clinical trials. We are at the forefront of personalized precision medicine, replacing traditional treatments with targeted therapies based on each individual’s unique biology and the exact characteristics of their cancer. The benefits: earlier detection, better prevention, and more effective treatments with fewer side effects.

Through prestigious research grants awarded by the NCI and the Cancer Prevention Research Institute of Texas, the Duncan Cancer Center continues to make significant and far-reaching contributions to cancer research and patient care.
CANCER SCREENING INFORMATION

Getting screening tests regularly may help detect certain cancers early, when treatment is likely to work best. Work with your physician to determine what screening is best for you based on your risk factors and family history. General guidelines follow:

- **Breast cancer** - Yearly mammograms for women with a normal risk at age 40. Women with a family history of breast cancer may need earlier, more frequent screening and/or genetic counseling so it is best to discuss an individualized screening plan with your physician.

- **Colorectal cancer** - Colonoscopy every 10 years beginning age 50 for men and women with no family history. Family history may require earlier and more frequent screening.

- **Cervical cancer** - Pap test every three years in women ages 21 to 29. Women between the ages of 30 and 65 every 5 years.

- **Prostate cancer** - Routine PSA (prostate-specific antigen) screening for men between the ages of 40 to 54 is not recommended for men with an average risk; those with a family history, or over the age of 55 may require a different plan.

- **Lung cancer** - Screening through CT scan is recommended for people at high risk for lung cancer. The high-risk group includes people aged 55 to 79 who have a smoking history of 30 pack-years or greater. A pack-year means that someone has smoked an average of one pack of cigarettes per day for a year; one pack smoked a day for 30 years equates to a 30 pack-year history or two packs.

OBESITY RELATED CANCERS

The obesity epidemic in this country is having a major impact on the incidence of certain cancers. Unfortunately, Houston is one of the most obese cities in the country and as a consequence liver and esophageal cancers are a major and growing problem. Liver cancer is the most rapidly rising cancer in incidence of all cancers, primarily due to obesity and “fatty liver,” or non-alcoholic steatohepatitis, which can lead to cirrhosis and cancer unrelated to hepatitis infection. Cancer of the distal esophagus is the most rapidly rising cancer in white males, due again to obesity, acid reflux and Barrett’s Esophagus. The incidence of these cancers will continue to rise until this epidemic of obesity is over. Other cancers associated with obesity are prostate cancer, pancreatic cancer and breast cancer.

COLON CANCER: Understanding the Basics

March is set aside every year to raise awareness of colorectal cancer. It is the second leading cause of cancer death in the United States. Yet it is preventable.

Approximately 150,000 new cases of colon cancer are diagnosed each year leading to more than 55,000 deaths.

Most colon cancers start as small growths in the colon called polyps, which produce no symptoms.

It takes more than 10 years for a benign polyp to develop into cancer. This slow rate of growth allows doctors to remove polyps before they become cancer.

Screening for colon and rectum cancer means looking for cancer or polyps in individuals who have no symptoms. For those with a family history of colon cancer or polyps, consider beginning screening before age 50. Screening identifies polyps and allows their removal; it also detects cancers earlier, resulting in cancer prevention as well as early diagnosis.

Since more than 90 percent of colon cancer occurs in persons over 50 years of age, current recommendations are to begin screening at age 50. Once polyps are detected and removed, colonoscopy is repeated every 3 to 10 years depending on the number, size, and type of polyps present.

Colonoscopy is considered the best screening test for colon cancer. A colonoscopy takes approximately 20 minutes. It is typically performed with intravenous sedation and is pain free and can save your life.

In large well-designed clinical studies, screening has been shown to reduce the occurrence of colon cancer, as well as deaths related to this disease.

*By Dr. Waqar Qureshi, professor of medicine and clinical director, gastroenterology at Baylor College of Medicine and also a member of the NCI designated Dan L. Duncan Cancer Center.*

MULTIDISCIPLINARY CANCER SERVICES

The multidisciplinary team in the Dan L. Duncan Cancer Center is working to deliver a consistent quality of patient-focused, advanced care for major cancer types, which include:

- Bone and soft tissue sarcomas
- Brain, pituitary and spine cancer
- Breast cancer
- Gastrointestinal cancers – anal, bile ducts, colon, esophageal, gallbladder, intestine, liver, pancreas, rectal and stomach
- Genitourinary cancers – bladder, kidney, penile, prostate, testicular and urethral
- Gynecological cancers – cervical, ovarian, uterine, vaginal and vulvar
- Head and neck cancers – lymph nodes and upper neck squamous cell, oral cavity, paranasal sinuses, pharynx, and more
- Leukemia, Hodgkin lymphoma and non-Hodgkin lymphoma
- Lung cancer
- Skin cancers

APPOINTMENTS
713-798-2262

LOCATION
Baylor Clinic ▪ 6620 Main Street
13th Floor, suite 1350 ▪ Houston, TX 77030
Interested in learning more?
Fill out this section, return it to the registration table and a Baylor representative will contact you or visit our website at bcm.edu/giving/get-involved/the-partnership.

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PARTNERSHIP FOR BCM
CALENDAR OF EVENTS

You won’t want to miss any of the exciting educational and social events we have planned for the new season of The Partnership for Baylor College of Medicine. For more information, please contact partnership@bcm.edu or 713-798-5460.

EDUCATIONAL LUNCHEON SERIES
All luncheons are on Tuesdays from 11:45 a.m. to 1 p.m. at the Junior League of Houston. Speakers and topics are subject to change. Tickets are $35 online and $40 at the door.

May 19, 2015
Matters of the Brain: Neurodegeneration
Dr. Huda Zoghbi, Dr. Melissa Yu, and Dr. Stephen Sigworth

GRAND ROUNDS TOURS
April 8, 2015, 10 a.m.
Sense and Sensibility: Jan and Dan Duncan Neurological Research Institute
Dr. Huda Zoghbi, Dr. Hugo Bellen, Dr. Joshua Shulman and Barbara Cochran

THE TRIPLE CROWN BALL
May 1, 2015
Benefiting the new Lung Institute at Baylor College of Medicine
Chaired by Jana and Scotty Arnoldy, with Sue and Lester Smith as Honorary Chairs, the 2015 Partnership Gala celebrates the historic joint venture that has brought together Baylor, CHI St. Luke’s Health System and the Texas Heart Institute to improve medical research, healthcare and education.

The event is set to take place at Rice University the evening of Friday, May 1, with a “Triple Crown” theme in honor of the three institutions and their board leaders: Jim Hackett, Chairman, Baylor College of Medicine; Leonard Tallerine, Chairman, CHI St. Luke’s Health System; and David Grimes, Chairman, The Texas Heart Institute. Preliminary plans include a festive venue, fabulous food, live entertainment, and big board and silent auctions, all with a “Kentucky Derby” feel.

Proceeds will benefit the new Lung Institute at Baylor College of Medicine, established by Dr. David Sugarbaker. It will bring together the latest breakthroughs in medical science and expert clinical care for patients with lung diseases in an innovative program, the first of its kind in the United States.

For more information, please call 713-798-5460 or email partnership@bcm.edu.

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