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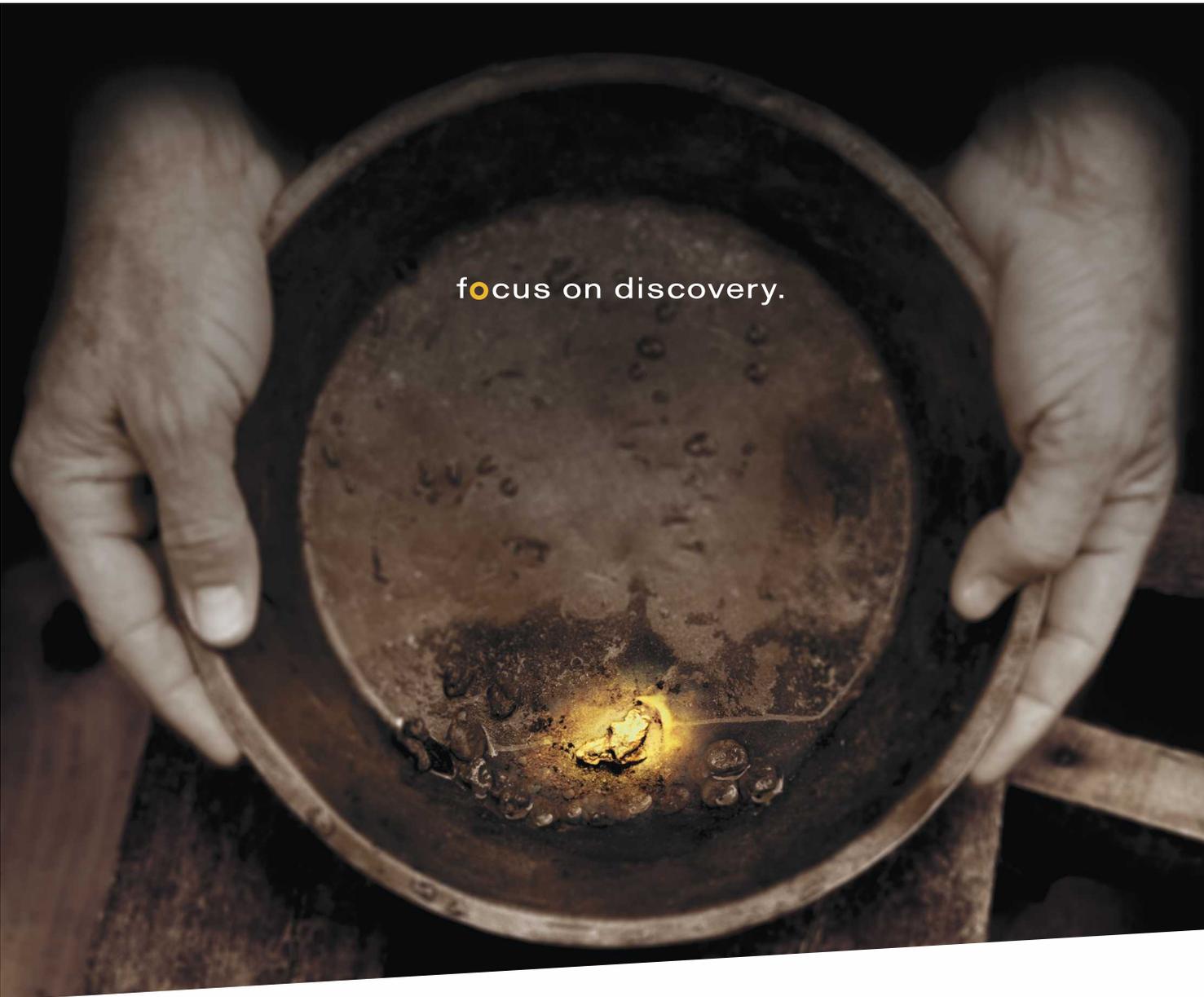
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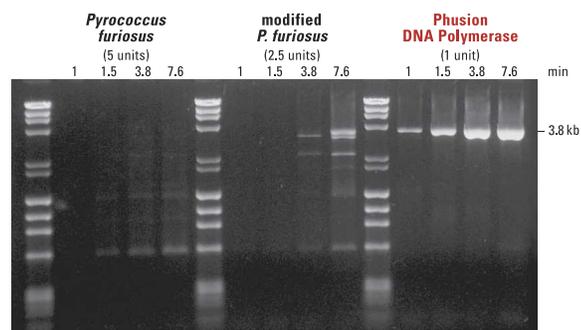
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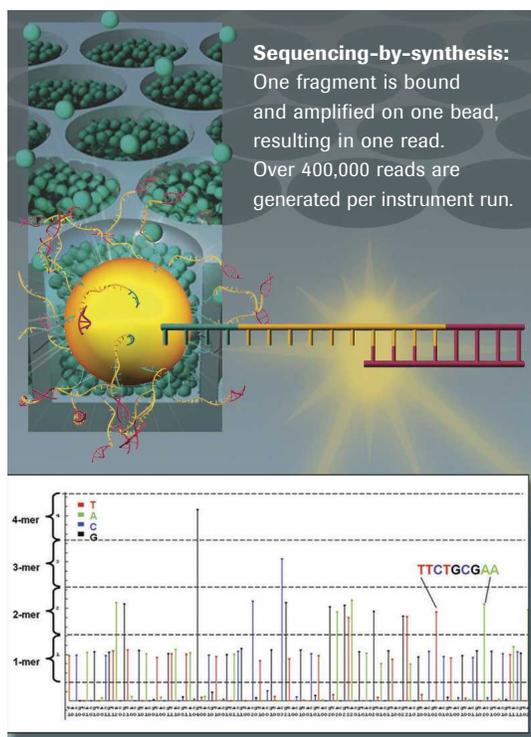




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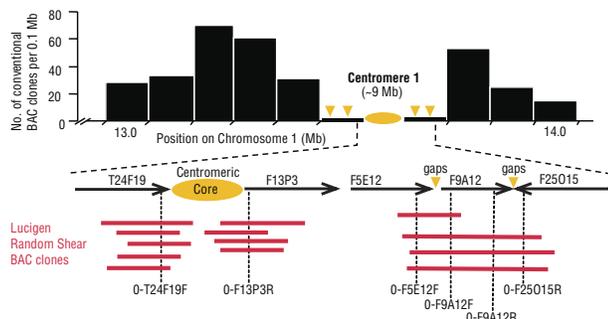


Figure 1. An *Arabidopsis* Random Shear BAC Library (5X coverage) closed several existing centromeric gaps in the published "finished" physical and sequencing map. (Arrows, known sequences; bars, Random Shear clones.)

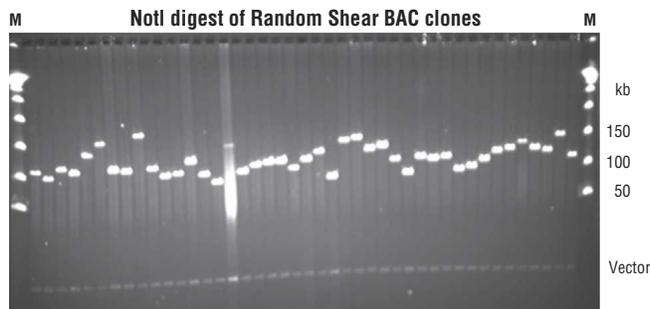


Figure 2. Potato genomic DNA was randomly sheared, size-selected to >100 kb, and cloned into Lucigen's pEZ™ BAC vector. DNA from minipreps was digested with NotI to excise inserts. The vector band is visible at 7 kb. Lanes 1 and 45 (M) contain Lambda size markers.

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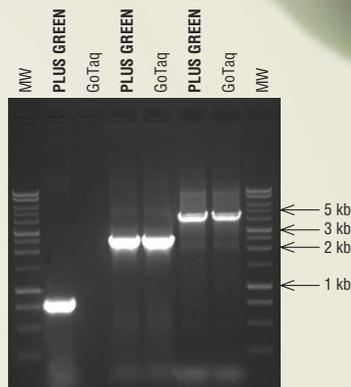


Figure 1. Genes of 0.7 kb or 2.7 kb (genomic template), or 4.5 kb (plasmid template) were amplified with EconoTaq PLUS GREEN Master Mix or Promega's GoTaq® Green Master Mix. In all cases, EconoTaq PLUS GREEN Master Mix provided equal or more robust PCR amplification. MW: 1 kb ladder.



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RIBOSOMES: FORM & FUNCTION

International conferences on all aspects of gene expression that involve the ribosome have been held at irregular intervals for more than 30 years. The next conference in this series, "Ribosomes: Form and Function", will occur at the Sea Crest Resort in North Falmouth, MA (Cape Cod), June 3-8, 2007.

The topics covered will include; ribosome genetics and assembly, ribosome structure, all aspects of ribosome function, up to and including the initial phases of protein secretion. The emphasis will be correlating structure with function. A distinguished group of scientists have already agreed to attend. Their presentations will fill about half the available slots for speakers. The remaining speaker slots will be offered to those who submit abstracts that are considered noteworthy by the Program Committee. Poster sessions will also be held.

The organizers are:

Robert Zimmermann (zimmermann@biochem.umass.edu) and
Peter Moore (peter.moore@yale.edu).

Further details about the meeting, including information about how to register for it, are available on line at:

<http://www.ribosomes2007.org/>.

■ FACULTY POSITIONS

PROGRAM IN DEVELOPMENTAL NEUROSCIENCE CHILD HEALTH INSTITUTE OF NEW JERSEY



The newly established Child Health Institute of New Jersey (CHINJ) at the Robert Wood Johnson Medical School (RWJMS) is launching a major research initiative in vertebrate developmental biology to gain fundamental insights into congenital malformations and developmental disabilities. As part of this effort, CHINJ is seeking outstanding individuals with emerging or established research programs in **Developmental Neuroscience** to join a core group of investigators studying the basic principles of nervous system development. We are particularly interested in neuroscientists who use mouse models to elucidate mechanisms relevant to developmental disorders of the nervous system at the molecular, cellular, physiological, or systems level.

Qualified candidates must have a Ph.D., M.D. or equivalent graduate degree and outstanding academic credentials. We particularly encourage applications at the rank of **assistant professor**, but appointments at the **associate** and **full professor** levels will also be considered. Successful recruits will receive competitive start-up packages commensurate with prior training and experience, and will have faculty appointments at RWJMS with full access to graduate training programs and resources. Faculty in the **Program in Developmental Neuroscience** at the CHINJ will join a strong and growing community of Neuroscientists at RWJMS and Rutgers University (RU). They will also have the opportunity of interacting with colleagues at the neighboring Cancer Institute of New Jersey and soon-to-be-built Stem Cell Institute of New Jersey. Successful candidates will be expected to develop strong, externally funded research programs, and participate in collaborative projects with other Departments and Institutes at RWJMS and RU.

For more information visit our website at <http://www2.umdnj.edu/chinjweb/>. Interested applicants should send their CV, a brief description of their research interests (including past achievements and future plans), and arrange to have three letters of recommendation sent VIA email, addressed to: **Francesco Ramirez, Ph.D. Chair, CHINJ Search Committee, UMDNJ-RWJMS CHINJ, 89 French Street, New Brunswick, NJ 08901, neurodev@umdnj.edu. Completed applications should be received by April 15, 2007.** Appointments are expected to begin in September 2007. The University of Medicine & Dentistry of New Jersey is an equal opportunity/affirmative action employer.



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Chromatin Modification and Genome Stability: A Ashworth (UK), S Baylin (US), R Brown (UK), J Jiricny (CH), T Kouzarides (UK)

Signal Transduction Pathways: D Barford (UK), R DePinho (US), W Kaelin (US), N Sonenberg (CA)

Tumour Cell Death Pathways: A Ashkenazi (US), S Fesik (US), E Gottlieb (UK), D Lane (UK), A Levine (US), J Shay (US)

Tumour Microenvironment: G Evan (US), R Jain (US), H Moses (US), Z Werb (US)

Profiling for Targets: R Bernards (NK), R Caprioli (US), J Gray (US), T Huang (US), D Sabatini (US)

Aims of the conference

Recent successes in the development of effective cancer therapeutics are the result of basic cancer research. The aim of this meeting is to focus on the integration of the diverse disciplines of this research which is necessary for the efficient translation of new discoveries into the rational design of novel cancer therapeutics

Short talks will be granted to the authors of outstanding abstracts. Some financial assistance will be available to presenters of these short talks through sponsorship from the Association for International Cancer Research. For additional information, registration forms and details for poster presentation please contact:

Tricia Wheeler, Conference Co-ordinator, Beatson Institute for Cancer Research, Garscube Estate,
Switchback Road, Bearsden, Glasgow G61 1BD, UK

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email: t.wheeler@beatson.gla.ac.uk

Website, on-line registration and abstract submission: <http://www.beatson.gla.ac.uk/conf>

Deadline for registration, payment and abstract submission: April 5, 2007