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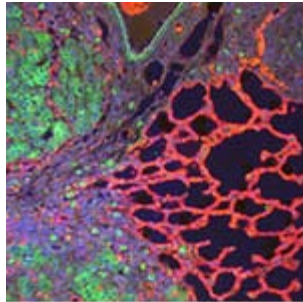


March 2016

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cell passages



Join ATCC at AACR from April 16-20, Booth #1913!

Going to the AACR Annual Meeting this year?

Stop by ATCC's booth #1913 to learn about our reliable cancer research resources and new screening tools. Also, join ATCC's poster session to learn how the

Angio-**Ready**[™] Angiogenesis Assay System can be used for studying blood vessel formation in cardiovascular biology, drug screening, and tissue engineering.

[Development and Characterization of an *in vitro* Co-culture Angiogenesis Assay System Using hTERT Immortalized Cells for High-throughput Drug Screening](#)

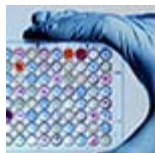
Presenter: Chaozhong Zou, Ph.D., *Scientist*, ATCC

Convention Center, Halls G-J

Sunday, April 17, 1:00 - 5:00 PM

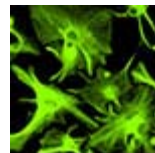
Poster Section 18

Abstract #356



Screening Tools at Your Fingertips

Cell- and nucleic acid-based assays are widely used in drug discovery, toxicity, and cancer research. ATCC continuous cell lines, genomic DNA, reporter-labeled cell lines, and tumor cell panels are all established tools for screening the effects of various therapeutics, carrier agents, and environmental



Neural Progenitor Cells

ATCC offers a complete system of tri-lineage-capable neural progenitor cells (NPCs), gene-edited lineage marker-labeled NPCs, expansion and differentiation media supplements. NPCs are a potent model of normal and disease neurobiology, and make dopaminergic neurons, astrocytes,

toxins. Additionally, ATCC has developed new products that are designed for assay development, such as the EML4-ALK Fusion-A549 Isogenic Cell Line, a single-use *in vitro* angiogenesis assay, neural progenitor cells, and more.

Explore ATCC Screening Tools at www.atcc.org/screening.

and oligodendrocytes much easier to obtain for your experiments. The use of NPCs eliminates weeks of embryoid body formation, allowing more controlled expansion and quicker differentiation to neuronal cells.

To help get your neurobiology research started, use promo code SCA20 and receive a 20% discount* on your next NPC order from now until April 29, 2016. Get started today at www.atcc.org/neuro!

Webinar: Solving Identity Crisis in Animal Cells; Best Practices with DNA Barcodes and STR Analysis



Yvonne Reid, Ph.D.
Manager, Scientist, ATCC



Jason Cooper, M.S.
Biology Professor (Adjunct), Community College of Allegheny County
Science Writer, Thermo Fisher Scientific

In this webinar, Dr. Reid and Mr. Cooper will present an overview of several complementary technologies to include short tandem repeat analysis for human cell line identity and cytochrome C oxidase 1 DNA barcoding for animal cell line identity.

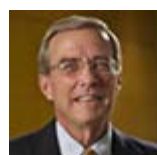
[Register for a session](#) - March 31, 2016, 10:00 AM or 3:00 PM ET



Webinar:
Best Practices in
Cryopreservation

Steven Budd, M.S., M.B.A
Product Line Business Specialist,
ATCC

Cryopreservation is the use of very



Webinar: The
ATCC Story:
A Ninety
Year
Celebration

Frank Simione, Ph.D.
Director, Standards, Standards
Resource Organization, ATCC

ATCC celebrated its 90th

low temperatures to structurally preserve intact living cells and tissues. Normally, the freezing of water in cells causes catastrophic damage to cellular structure by physical damage of ice formation and increased imbalance of solutes. Cryopreserving cells with the proper cryoprotectants and techniques will maximize viability of cells for cell culture. This webinar presentation will discuss best practices for cryopreservation focusing on determining optimal freezing rates and cryoprotectants, selecting proper containment units, managing a biorepository, and handling cells post-thaw. Emphasis will be placed on reviewing time-proven techniques while introducing newer innovative approaches to maximize reliability in cryopreservation for modern day cell culture.

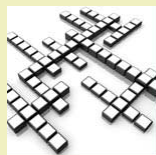
April 21, 2016
10:00 AM or 3:00 PM ET

[Register Now](#)

anniversary in 2015 and in recognition of that milestone this presentation tells the remarkable story of ATCC's evolution as an organization and its contribution to developments in life sciences for nearly a century. Established in 1925 as the American Type Culture Collection by scientists for scientists, it has become an international resource for life science research and development. Dependent on financial subsidies for more than 75 years, ATCC has since achieved independence as a fully self-sustaining non-profit organization. ATCC is now investing in research and development, and in 2012 was able to establish and fully fund the Global Biological Standards Institute (GBSI). This is the story of that amazing transformation and the role of ATCC in the evolution of the life sciences.

April 28, 2016
10:00 AM or 3:00 PM ET

[Register Now](#)



ATCC Puzzle

Astrocyte Analysis

Try this [month's crossword puzzle](#) and test your knowledge of brain biology! The solution will appear in next month's issue.

For the solution to last month's Triple Negative Nomenclature puzzle [click here](#).

Publications

- [Webinar: Neural Progenitor Cells – Potent Models of Normal and Disease Neurobiology](#)
- [Cell Lines by Gene Mutation Brochure](#)
- [In vitro Angiogenesis Assay Using the ATCC® Angio-Ready™ System](#)



Frequently Asked Questions

Q: Do I need to coat flasks for growth of neural progenitor cells?

A: Yes. We recommend using ATCC's CellMatrix Basement Membrane Gel ([ATCC® ACS-3035™](#)) to coat flasks for NPC culture. Conventional Poly-L-Ornithine and laminin coatings do not support the growth of NPCs in ATCC's NPC growth medium.

[Have more questions?](#)

Cell Biology Collections

Cell Line Authentication

Facebook

Cell Biology Resources

Cell Culture Conversation

ATCC - 10801 University Boulevard, Manassas, VA 20110

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*Offer expires April 29, 2016 and must include promo code: "SCA20". Offer valid for 20% off Neuro Progenitor Cells (NPC). This offer cannot be combined with other promotional offers. This offer excludes Animal Sera, Proficiency Testing Standards, Patent Cultures, hTERT-immortalized cells, and any other materials ATCC deems appropriate. Shipping, handling and taxes will apply, when applicable. To receive this discount you must have an ATCC account prior to placing an order and the discount code must be provided at point of sale. This offer is not redeemable for cash. ATCC reserves the right to cancel or modify this offer should the promotion be compromised in any manner, including but not limited to computer system errors, unintended use, or any fraudulent activity. Promotion applies to U.S. customers, void where prohibited.

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