How to Apply

**Registration Fees:** Rs. 4,000/- payable by DD to 'SVKM's NMIMS' (Registration fees include tuition, workshop material, breakfast, lunch and Tea). Accommodation not included.

**Number of participants:** Limited to 12 participants (on first come first serve basis)

**Last date for registration:** 20th September 2014; Intimation to selected candidates: 27th September 2014

**Applications to be Sent to**

Ms. Madhuri Khanolkar  
(Email: madhuri.khanolkar@nmims.edu)  
School of Science, SVKM’s NMIMS, C/O C. B. Patel Research Centre, Bhaidas Building, 2nd Floor, Bhaktivedanta Swami Marg, Vile Parle (W), Mumbai - 400056, India  
Telephone: +91 22 42199940/43/53/54  
Website: http://science.nmims.edu/

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**Program for the Day**

**4 Days Hands on Training Schedule**

<table>
<thead>
<tr>
<th>Time</th>
<th>Day</th>
<th>Schedule</th>
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</thead>
<tbody>
<tr>
<td>8:30-17:00</td>
<td>Day 1 - Monday 03rd November 2014</td>
<td>Registration, Tea &amp; Breakfast; Welcome Address &amp; Guest talk</td>
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<tr>
<td></td>
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<td>Lecture: Cell Culture techniques and <em>in vitro</em> cytotoxicity assays</td>
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<td>Lab exercise: Medium preparation; Sub-culturing of cells; Thawing and freezing of cells</td>
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<tr>
<td>9:00-17:00</td>
<td>Day 2 - Tuesday 04th November 2014</td>
<td>Tea &amp; Breakfast; Lecture - Real time PCR &amp; Cell death assays</td>
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<tr>
<td></td>
<td></td>
<td>Lab Exercise: MTT assay; Real time PCR; AO/EtBr staining; Western Blot</td>
</tr>
<tr>
<td>9:00-17:00</td>
<td>Day 3 - Wednesday 05th November 2014</td>
<td>Tea &amp; Breakfast; MTT assay (contd.); Western Blot (contd.); DNA laddering</td>
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<td>Valedictory &amp; Vote of Thanks</td>
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<tr>
<td>9:00-15:00</td>
<td>Day 4 - Thursday 06th November 2014</td>
<td>Tea &amp; Breakfast; Western blotting (contd.)</td>
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</tbody>
</table>

**NMIMS School of Science**

Cell Culture  
Workshop

“Hands on Training in Cell Culture and Molecular Biology Techniques”

03rd - 06th November 2014

**Organized by:**
School of Science, NMIMS (Deemed-to-be- University)  
Vile Parle (West), Mumbai 400056  
Website: http://science.nmims.edu/
About the Workshop
NMIMS School of Science organizes a four-day cell culture workshop primarily for students. The objective of this programme is to provide practical hands on training on basic cell culture techniques and intended for beginners to teach them and train them in cell culture and few molecular techniques.

About School of Science
School of Science was started in 2007 with a view to provide undergraduate and postgraduate science students an opportunity to be part of a unique learning methodology of the university, with emphasis on academic excellence combined with industry oriented training. With the boom in information technology and increased sophistication in instrumentation techniques, a very thin line divides the various disciplines of science today. The goal of School of Science is to be a Centre of Excellence in the domain of pure and applied sciences by providing quality education and research.

Course Structure
The four-day course will constitute theoretical classes, demonstration and hands on training.

The contents of the workshop are as follows:
1. Cell culturing techniques;
2. Maintenance and subculturing of cells;
3. Preservation and cell revival;
4. Cytotoxicity assays (MTT and neutral red assay);
5. Cell death Assays: based on morphology (Acridine orange/Ethidium bromide staining) and based on Molecular Techniques (Western Blot, DNA laddering)
6. Real time PCR

Participants
Bachelors (final year students)/Masters/ Doctoral students in the field of Life Science, Biotechnology, Microbiology, Biochemistry, Zoology, Botany, Medical Sciences, Pharmaceutical Sciences and allied fields.

Application Form
Name (block letters): ______________________
___________________________________________
Email ID: __________________________________
Tel./Mobile No.: ___________________________
Institute/College: ___________________________
___________________________________________
___________________________________________
Course/Year: ______________________________
Specialization: _____________________________
Postal Address: : ___________________________
___________________________________________
___________________________________________
Mode of payment: DD: □
Amount: __________________________________ 
DD No.: __________________________ Dated: _______
Bank: _______________________________________
Signature: ____________________________________
Forwarded through Faculty:
Faculty Name: _____________________________
Faculty Signature: ___________________________