

# MEMORY, FORGETFULNESS, & THE BRAIN

A BIOMED SEMINAR FOR NURSES: 6 CONTACT HOURS

Seminar registration is from 7:45 AM to 8:15 AM. The seminar will begin at 8:30 AM. A lunch break (on your own) will take place from approximately 11:30 AM to 12:20 PM. The course will adjourn at 3:30 PM, at which time course completion certificates are distributed.

## PROGRAM / LECTURE

**Registration: 7:45 AM – 8:30 AM**

**Morning Lecture: 8:30 AM – 10:00 AM**

- **Memory and the Brain:** Forming, Storing, and Retrieving Memory.
- **Memory and Behavior:** How Perception, Thinking, and Emotions Influence Memories.
- **Declarative and Procedural Memory:** How We Remember Facts and Movements.
- **Episodic and Semantic Memory:** How Time Affects Memories.
- **Sleep Well and Remember Well:** The Importance of Sleep in Strengthening Memories.

**Mid-Morning Lecture: 10:00 AM – 11:30 AM**

- **"Flashbulb" Memories of Emotional Events Like 9/11:** How Accurate Are They? Do These Memories Change Over Time?
- **How Stress Affects Memory and Controversies Around Memory:** False Memories, Eyewitness Testimony, and Recovery of Repressed Childhood Memories. Memory and Survival.
- **What is Confabulation?** Is it a Memory Disturbance or a Deliberate Lie?
- **How We Retrieve Memories:** Free Recall vs. Recognition. Re-Retrieval and Re-Consolidation.
- **Why Do We Forget?** Is Forgetting Necessary? Decay vs Interference.

**Lunch: 11:30 AM – 12:20 PM**

**Afternoon Lecture: 12:20 PM – 2:00 PM**

- **When We Cannot Forget:** Memory Savants and PTSD "Flashbacks."
- **The "7 Sins of Memory":** Why Memory Fails Us When We Need It.
- **The Effects of Aging on Memory:** Normal Forgetting, Age-Associated Memory Impairment, and Mild Cognitive Impairment.
- **Do We Know When Memory is Declining?** Are Self-Administered Tests of Memory Reliable?
- **Ways to Improve Memory and Minimize Decline:** Healthy Living and Lifelong Learning.
- **Types of Amnesia:** Psychogenic vs. Organic Amnesia. Dissociative Amnesia (DSM-5) and Multiple Personality (Dissociative Identity Disorder). Anterograde, Retrograde, and Post-Traumatic Amnesia. Transient Global Amnesia.

**Mid-Afternoon Lecture: 2:00 PM – 3:20 PM**

- **Severe Amnesia Syndromes:** Wernicke-Korsakoff Syndrome and Herpes Simplex Encephalitis.
- **Common Medical Conditions and Memory Loss:** Anemia, Thyroid Disorders, Sleep Apnea, Anxiety & Depression, Heart Disease, Prolonged Anesthesia, and Post-Hospital Syndrome.
- **Medications, Memory Loss, & Reversible Memory Disorders:** The Obvious Culprits: Drugs, Alcohol, Smoking, Chronic Stress, Normal Pressure Hydrocephalus, Sleep Disorders, and Dietary Deficiencies.
- **How Memory Loss Compromises Dental Care:** Treating Patients With Memory Loss And Dementia.
- **Helping Patients and Caregivers Cope.**

**Evaluation, Questions, and Answers: 3:20 PM – 3:30 PM**

6 CONTACT HOURS / [www.biomedglobal.com](http://www.biomedglobal.com)

## MEETING TIMES & LOCATIONS

### EDMONTON, AB

Wed., Oct. 18, 2017  
8:30 AM to 3:30 PM  
Radisson Hotel  
4520 76th Avenue  
Edmonton, AB

### RED DEER, AB

Thu., Oct. 19, 2017  
8:30 AM to 3:30 PM  
Radisson Hotel  
6500 67th Street  
Red Deer, AB

### CALGARY, AB

Fri., Oct. 20, 2017  
8:30 AM to 3:30 PM  
Executive Royal Inn  
2828 23rd Street NE  
Calgary, AB

### EDMONTON, AB

Wed., Nov. 1, 2017  
8:30 AM to 3:30 PM  
Radisson Hotel  
4520 76th Avenue  
Edmonton, AB

### RED DEER, AB

Thu., Nov. 2, 2017  
8:30 AM to 3:30 PM  
Radisson Hotel  
6500 67th Street  
Red Deer, AB

### CALGARY, AB

Fri., Nov. 3, 2017  
8:30 AM to 3:30 PM  
Executive Royal Inn  
2828 23rd Street NE  
Calgary, AB

## INSTRUCTOR

**Dr. R.S. Hullon (M.D., J.D.)** is a full-time physician-lecturer for INR-Biomed. Dr. Hullon is a physician and surgeon specializing in trauma and orthopedics. His medical experience includes diagnosis and treatment of infectious diseases, neurological disorders, neurodegenerative diseases (multiple sclerosis, Parkinson's, and Alzheimer's diseases) and psychiatric disorders (personality and mood disorders). His medical experience also includes diagnostic laboratory work, particularly in hematology.

Dr. Hullon has had extensive surgical experience in trauma management and orthopedics and has published papers on head, back, and knee disorders and pain medications. He has also studied bovine spongiform encephalopathy (BSE or mad cow disease) and the medical and legal implications of this disease.

Biomed reserves the right to change instructors without prior notice. Every instructor is either a compensated employee or independent contractor of Biomed.

## ACCREDITATION INFORMATION

This program is designed to provide nurses with the latest scientific and clinical information and to upgrade their professional skills. Numerous registered nurses in Canada and the United States have completed these courses. This activity is co-provided with INR.

Institute for Natural Resources (INR) is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation.

**For all inquiries, please contact customer service at  
1-877-246-6336 or (925) 602-6140**

Please check course date:

- \_\_\_ Wed., Oct. 18, 2017 (Edmonton, AB)
- \_\_\_ Thu., Oct. 19, 2017 (Red Deer, AB)
- \_\_\_ Fri., Oct. 20, 2017 (Calgary, AB)
- \_\_\_ Wed., Nov. 1, 2017 (Edmonton, AB)
- \_\_\_ Thu., Nov. 2, 2017 (Red Deer, AB)
- \_\_\_ Fri., Nov. 3, 2017 (Calgary, AB)

**PLEASE RETURN FORM TO**  
**Biomed**  
**Suite 877**  
**101-1001 West Broadway**  
**Vancouver, B.C. V6H 4E4**  
**TOLL-FREE: 1-877-246-6336**  
**TEL: (925) 602-6140**  
**FAX: (925) 687-0860**

### PLEASE PRINT CLEARLY

Name: \_\_\_\_\_ Profession: \_\_\_\_\_  
Home Address: \_\_\_\_\_ Professional License #: \_\_\_\_\_  
City: \_\_\_\_\_ Province: \_\_\_\_\_ Postal Code: \_\_\_\_\_ Lic. Exp. Date: \_\_\_\_\_  
Home Phone: (\_\_\_\_) \_\_\_\_\_ Work Phone: (\_\_\_\_) \_\_\_\_\_  
Employer: \_\_\_\_\_ E-Mail: \_\_\_\_\_ (needed for confirmation & receipt)  
Please enclose full payment with registration form. Check method of payment.  
\_\_\_ Cheque for \$109.00 (CANADIAN) (Make payable to **Biomed General**)  
\_\_\_ Charge the equivalent of \$109.00 (CANADIAN) to my \_\_\_ Visa \_\_\_ MasterCard \_\_\_ American Express® \_\_\_ Discover®  
**Most credit-card charges will be processed in Canadian dollars. Some charges will be in U.S. dollars at the prevailing exchange rate.**  
Card Number: \_\_\_\_\_ Exp. Date: \_\_\_\_\_ CVV: \_\_\_\_\_ (card security code)  
(enter all raised numbers)  
Signature: \_\_\_\_\_

**Please provide an e-mail address above to receive a confirmation and directions to the meeting site.**

## TUITION \$109

CHECKS: \$109.00 (CANADIAN) per person with pre-registration or \$134.00 (CANADIAN) at the door if space remains. **CREDIT CARDS: Most credit-card charges will be processed in Canadian dollars. Some charges will be in U.S. dollars at the prevailing exchange rate.** The tuition includes all applicable Canadian taxes. At the seminar, participants will receive a complete course syllabus and a receipt for tuition payment.

## TO REGISTER

Please complete and return the registration form below. Or register toll-free with Visa, MasterCard, American Express®, or Discover® by calling **1-888-724-6633**. Or fax a copy of your completed registration form—including Visa, MasterCard, American Express®, or Discover® Number—to (925) 687-0860. Or register online at: [www.biomedglobal.com](http://www.biomedglobal.com).

## REGISTRATION INFORMATION

Please register early and arrive before the scheduled start time. Space is limited. Attendees requiring special accommodation must advise Biomed in writing at least 50 days in advance and provide proof of disability. Registrations are subject to cancellation after the scheduled start time. A transfer at no cost can be made from one seminar location to another if space is available. Registrants cancelling up to 72 hours before a seminar will receive a tuition refund less a \$35.00 (CANADIAN) administrative fee or, if requested, a full-value voucher, good for one year, for a future seminar. Other cancellation requests will only be honored with a voucher. Cancellation or voucher requests must be made in writing. If a seminar cannot be held for reasons beyond the control of the sponsor (e.g., acts of God), the registrant will receive free admission to a rescheduled seminar or a full-value voucher, good for one year, for a future seminar. A \$35.00 (CANADIAN) service charge applies to each returned cheque. A \$15.00 fee will be charged for the issuance of a duplicate certificate. Fees are subject to change without notice. **The rate of exchange used will be the one prevailing at the time of the transaction.**

## REGISTRATION FORM

(This registration form may be copied.)