



## **BioGraph Infiniti Physiology Online Course**

is designed for beginner users of Infiniti systems with the **Physiology Suite**. Its goal is to meet the training needs from clinicians, researchers and other health professionals who want to learn how to use the latest biofeedback technology. This course will be focusing on peripheral signals, including HRV/BVP, EKG, Skin Conductance, Temperature, Respiration, and EMG for psychophysiological monitoring and training. This online course introduces the user to the functionality, power and versatility that the Infiniti platform has to offer.

All online courses are accredited by BCIA to fulfill the continuing education requirements for recertification.

### **Online Course Benefits:**

- No travel expense- learn from the comfort of your own home or office.
- All courses are limited to a maximum of 3 participants to ensure individual attention.
- Rotating monthly courses allow for greater flexibility with your schedule.
- The participants will get the benefit of a “hands-on” learning experience of this powerful physiological tool.
- The online course has a total of 6-hours of instruction given over the internet. The six hours are divided into four 1.5-hour lessons given twice a week for two weeks.

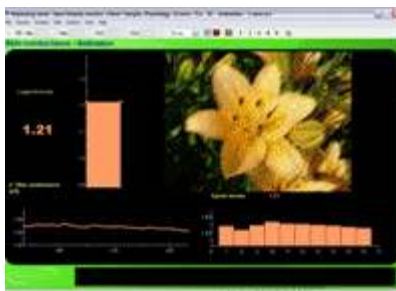
## **COURSE OBJECTIVES**

Objectives are set at the beginning of the course with the instructor and with the goal to meet the objective before the end of the Course. The goal of this course is to make beginners feel comfortable using the BioGraph Infiniti software and Physiology Suite with their hardware, and to offer advanced users an overview of the full clinical potential of their systems. Participants will learn to recognize the important components of their hardware and characteristics of their software. They will also be able to identify various hardware accessories and software suite items, and understand how to properly engage them for effective session use.

## **LEARNER OUTCOMES**

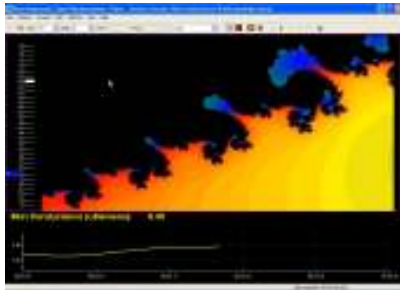
At the end of this 6-hour course participants :

- Will have acquired a good understanding of their equipment and Physiology suite software.
- Will be able to identify and briefly describe the physiological measurements generally used in biofeedback.
- Can explain what a virtual data-channel is and how it is related to the raw data from the physical sensor.
- Can define what is artifact and why is artifact rejection necessary.



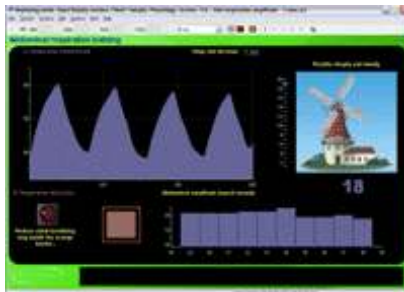
## **Lesson 1: Learn how to open a Session**

You will learn how to set your data filter parameters, add your client base and specific client information. You will learn to select Channel Sets and Screen Categories and Record/Run a session: Loading screens, display screens, selecting and adding clients, client confidentiality feature, button bar controls, impedance checking, zeroing EMG sensors, display screen / instruments adjustments, marking events, and saving recorded data.



## **Lesson 2: Loading, Recording, and Reviewing Previously Saved Sessions**

You will review open sessions, report screens, pop-up menus, listing of data channels, button bar controls, markers, artifact rejection features, multi-line graphs, saving report screen settings for client, importing clients, computing and printing statistical reports as well as trend reports.



## **Lesson 3: Running Script Sessions and Generate and Run Reports**

You will gain confidence in using the software by doing simple exercises in opening, recording and reviewing a session on your own equipment as shown in Lessons 1 & 2. Each “hands on” experience will be able to be reviewed and analyzed with the instructor. You will learn how to run script sessions identifying markers, and generate and run reports.



## **Lesson 4: Using the Script Data Base, Modifying Script Sessions and Using Trend Reports**

You will begin to assemble and use all the skills sets you have learned so you will begin to utilize your equipment with greater confidence and ease. You will learn how to decipher the script data base and begin to modify script variables within a session. You will use trends reports to analyze between sessions or create trend reports between activities during a single session. By constructing script short cuts for various suites, you will learn how to quickstart your sessions.

***This course is intended for licensed health professionals and those participants seeking BCIA certification if they are not already certified. As this online course is a "hands-on" learning experience, you are required to use your equipment online including computer with software, encoder and sensors. Also required are: High speed internet, Skype™ and GoToMeeting software and user ID, headset and microphone.***

### **INSTRUCTORS:**

The following is a list of the outstanding presenters who instruct the online courses and will guide you to a better understanding of your instrumentation:

**Pedro Teixeira** Pedro Teixeira is a Licensed Physical Therapist (Licenciado em Fisioterapia) in Oporto, Portugal. Pedro is the Biofeedback Foundation of Europe Project Manager for International Research & Education Projects that focus on surface Electromyography. Pedro is the co-author of an 80-hour Post Graduate Course entitled “Introduction to Surface Electromyography”. In addition to completing a first year towards a Masters Degree in Science of Physical Therapy at the Technical University of Lisbon, Pedro has successfully completed European continuing medical education courses on movement dysfunctions and biofeedback. Pedro then worked in rehabilitation and sports with the Portuguese National Team in Basketball, and in other high level sports teams in Rugby, Tennis, and Surfing. For the last four years Pedro’s clinical work has focused on pain management and rehabilitation using surface electromyography and other physiological signals that provide information on psychosomatic symptoms. Pedro instructs BFE online courses on Surface Electromyography in English and Portuguese.

**Pam White, MA, LPC, BCIA** Pam White is a Licensed Professional Counsellor. She earned a Masters degree in Counselling as well as an undergraduate degree in Rehabilitation Counselling. She is BCIA certified and has integrated biofeedback into her clinical practice since 1992. Previously, Pam White served as clinical director of biofeedback; now, she works in a private practice, incorporating primarily peripheral biofeedback with counselling strategies, while also teaching and supervising clinicians.

**Genevieve Moreau** Before pursuing her studies in psychology, Geneviève Moreau was an occupational therapist. She then trained in neurofeedback at the ADD Center near Toronto as part of a clinical internship with Lynda Thompson, a leader in the field of neurofeedback development in Canada. Her doctoral research seeks to document how neurofeedback can optimize one's performance during IQ evaluations, and examines the ways in which one may diminish the need for stimulants such as Ritalin when treating children with various attention deficit disorders.

**Davide Pierieni** Dr. Pierini is a psychologist in Italy with an interest in counseling, stress management, anxiety and mental training. He has led several workshops on the use of biofeedback for stress management and peak performance. His practice is aimed both at individual therapy and peak performance training for business and sports organizations.

**Alexander Fink** Dr. Fink is the lead psychologist in regional rehabilitation hospital in Southern Germany. Graduate of the University of Salzburg, Austria, Dr. Fink is most interested in biofeedback for assessment and adjunctive treatment methods to improve outcomes in a traditional rehabilitation hospital setting. He is particularly interested in biofeedback and neurofeedback interventions for chronic pain, traumatic brain injury, hypertension, headaches, anxiety, stress and stress management. His background combines neuropsychology, biofeedback and natural medicine.

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#### **TO REGISTER, OR FOR MORE INFORMATION:**

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**CANCELLATION POLICY:** Cancellations must be received in writing if requested **prior to 1 week before the course** date. You will receive credit towards a future course minus an administration fee of US\$ 50. Cancellations after this date forfeit registration fee. Thought Technology Ltd. reserves the right to cancel the course with full refund.