附件1：

**磁共振脑成像训练营（第8期）报名表及调查表**

**（AFNI特训课程）**

**一、基本信息（必填项）**

|  |  |  |  |
| --- | --- | --- | --- |
| 姓名 |  | 身份证号码 |  |
| 单位 |  | 职业 |  |
| 发票抬头（全称） |  | 单位税号 |  |
| 联系电话 |  | 联系邮箱 |  |
| 缴费方式 | □网上缴费 □银行转账（包含公对公转账） □其他方式  |
| 您对ANFI的掌握程度 | □完全不了解 □有一定程度了解 □已有研究经验 |

**二、请列举如下1～4项迫切需要掌握的分析技能（若不在下述列表，请具体写出）**

1.fMRI任务分析

Event-related设计；

BLOCK设计；

混合设计；

MVPA分析

2.fMRI静息态分析

种子点功能连接（seed-based functional connectivity）；

基于体素或模板脑区的图论分析（graph-theatrical approach）；

动态功能连接分析（dynamic functional connectivity）；

低频振幅分析（ALFF/fALFF）；

局部一致性分析（ReHo）

3.DTI分析

TBSS

4.组分析

配对样本t检验；重复测量；独立样本t检验；多组ANOVA

5.若不在上述1**～4**列表，请具体写出：

**三、培训内容选择（可多选）：**

1.Using the AFNI graphical user interface (GUI) to examine 3D and 3D+time datasets;

2.An overview of the brain atlas datasets incorporated into the AFNI GUI;

3.Setting up individual subject time series analyses using processing scripts and GUI;

4.Interactive viewing and thresholding of functional activation maps;

5.Group (inter-subject) data analysis, ranging from simple to complex statistical methods;

6.Resting state fMRI analyses: interactive explorations and batch computations;

7.Task-based connectivity analyses;

8.Surface-based display and data analysis with SUMA;

9.Tools for DTI analysis in AFNI

10.Recent updates on false positive control

11.Real-time scanner-to-AFNI data acquisition, display, and processing.

12.AFNI Interface: hidden features

13.Driving AFNI from script

14.fMRI experiment design

15.PPI analysis

16.Nonlinear 3D brain alignment

17.Linear mixed effects

18.Advanced DTI tools

19.Advanced SUMA visualization

20.Brain networks analysis

21.fMRI clustering statistics

22.ROI-based group analysis

23.others\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_