Ministero della Salute

DIPARTIMENTO DELLA SANITA’ PUBBLICA E DELL’INNOVAZIONE
DIREZIONE GENERALE DELLA RICERCA SANITARIA E BIOMEDICA
E DELLA VIGILANZA SUGLI ENTI

IL MINISTRO

VISTI gli articoli 12 e 12 bis del Decreto legislativo 30 dicembre 1992, n 502, e successive modificazioni ed integrazioni, che disciplinano lo svolgimento delle attività di ricerca corrente e finalizzata in ambito sanitario e individuano i soggetti che possono concorrere alla realizzazione dei relativi progetti di ricerca;

VISTA la legge 23 dicembre 2009, n.192 concernente il bilancio di previsione dello Stato per l’anno finanziario 2010 e bilancio pluriennale per il triennio 2010-2012;

VISTO il decreto del 27 settembre 2011, registrato dall’Ufficio Centrale del Bilancio presso questo Ministero in data 30 settembre 2011 n. 5292, con il quale è stata impegnata la somma di euro 85.627.000,00 per il finanziamento delle spese per la ricerca finalizzata in attuazione degli obiettivi prioritari, biomedici e sanitari del Piano Sanitario Nazionale;

VISTO il Bando Ricerca finalizzata 2010 pubblicato in data 29 settembre 2011 il quale dispone, al punto 3, la procedura di valutazione dei progetti presentati;

CONSIDERATA la necessità di dover costituire la commissione per la Study Section relativa alla valutazione dei “progetti esteri”, di cui al punto 3.1 A) dell’anzidetto bando di ricerca finalizzata 2010;

DECRETA

Art. 1
(Composizione Commissione Valutazione Progetti Esteri)

La Commissione Valutazione Progetti Esteri di cui alle premesse è così composta e la sua durata è correlata ai lavori di definizione dei progetti e dei relativi finanziamenti:
<table>
<thead>
<tr>
<th>N°</th>
<th>Nome e Cognome</th>
<th>Istituzione presso cui il componente svolge l’attività</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Marco Pravetoni</td>
<td>Minneapolis Medical Research Foundation &lt;br&gt; Hennepin County Medical Center &lt;br&gt; 600 Fred L. Shapiro Building, &lt;br&gt; 914 South Eighth Street - Minneapolis, MN 55404</td>
</tr>
<tr>
<td>2</td>
<td>Federico Soldani</td>
<td>Division of Epidemiology &lt;br&gt; Office of Surveillance and Biometrics, CDRH &lt;br&gt; US Food and Drug Administration (FDA) &lt;br&gt; 10903 New Hampshire Ave. &lt;br&gt; White Oak 66/4270 - Silver Spring, MD 20993-0002</td>
</tr>
<tr>
<td>3</td>
<td>Chiara Gabbi</td>
<td>University of Houston &lt;br&gt; Department of Biology and Biochemistry &lt;br&gt; Center for Nuclear Receptors and Cell Signaling &lt;br&gt; 3605 Cullen Blvd – Houston – TEXAS 77204 - USA</td>
</tr>
<tr>
<td>4</td>
<td>Emanuela Ricciotti</td>
<td>Institute for Translational Medicine and Therapeutics &lt;br&gt; University of Pennsylvania &lt;br&gt; 3400 Civic Center Boulevard - Philadelphia, PA 19104</td>
</tr>
<tr>
<td>6</td>
<td>Francesco Paolo Schena</td>
<td>Professore Ordinario di Nefrologia &lt;br&gt; Università Degli Studi Di Bari &lt;br&gt; Componente Commissione Nazionale Ricerca Sanitaria</td>
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<td>7</td>
<td>Giuseppe Dessì</td>
<td>Dirigente Medico Specialista in Ortopedia e Traumatologia &lt;br&gt; presso A.O. &quot;Brotzu&quot; - Cagliari &lt;br&gt; Componente Commissione Nazionale Ricerca Sanitaria</td>
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<td>8</td>
<td>Enrico Bollero</td>
<td>Direttore Generale delle Attività dell’azienda Ospedaliera &lt;br&gt; &quot;Tor Vergata&quot; - Roma &lt;br&gt; Componente Commissione Nazionale Ricerca Sanitaria</td>
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**Art. 2**<br> (Procedure e incompatibilità)

La Commissione Valutazione Progetti Esteri provvede a compensare le eventuali discrepanze tra i giudizi espressi dai revisori e a redigere una lista unica, in ordine decrescente di merito, come previsto al punto B2) del bando.
La Commissione Valutazione Progetti Esteri, al fine del contenimento dei costi, potrà effettuare riunioni anche utilizzando le procedure di videoconferenza.

La Commissione Valutazione Progetti Esteri ai fini della valutazione dei progetti può avvalersi, nel caso insorgano controversie, di ulteriori revisori come previsto dal Bando.

Gli appartenenti alla Commissione Valutazione Progetti Esteri, nell'accettare l'incarico:

a) non devono aver partecipato a qualsiasi titolo ai progetti di ricerca presentati nell'ambito del bando finalizzata 2010;

b) devono astenersi dalle valutazioni dei progetti proposti da ricercatori con i quali sia in atto o sia stata una documentata collaborazione scientifica.

Art. 3
(rimborso spese)

Ai componenti della Commissione Valutazione Progetti Esteri non spetta alcun compenso. È previsto solo il rimborso delle spese di viaggio e di soggiorno, che per i componenti e gli esperti estranei alle Amministrazioni dello Stato è equiparato a quello spettante ai dirigenti generali delle stesse.

Art. 4
(Spese di funzionamento)

Gli oneri derivanti dalla costituzione ed il funzionamento della Commissione Valutazione Progetti Esteri saranno addebitati sul capitolo 3168 piano gestionale 1 - “Spese per l’attività di valutazione, revisione e internalizzazione dei progetti di ricerca sanitaria, ivi compresi quelli inerenti i rapporti con agenzie internazionali per la ricerca”.

Art. 5

Il presente decreto è trasmesso agli Organi di controllo per la relativa registrazione.

Roma, li 24 APR. 2012

IL MINISTRO
(Prof. Renato BALDUZZI)
Ministero della Salute
DIPARTIMENTO DELLA SANITA' PUBBLICA E DELL'INNOVAZIONE
DIREZIONE GENERALE DELLA RICERCA SANITARIA E BIOMEDICA E DELLA
VIGILANZA SUGLI ENTI

COMMISSIONE DI VALUTAZIONE PROGETTI ESTERI
BANDO R.F. 2010
(ex D.M. 24 aprile 2012)

VERBALE DELLA STUDY SESSION DEL 3 MAGGIO 2012
Il giorno 3 maggio 2012 alle ore 9,00, presso la Stanza A325 del Ministero della Salute, sito in Roma in Via Giorgio Ribotta, 5, si è riunita, per l’avvio dei lavori, la Commissione di Valutazione per i progetti esteri afferenti al Bando R.F. 2010, nella composizione di cui al D.M. 24 aprile 2012.

Partecipano i componenti di seguito riportati:

- **Prof. Enrico Bollero**
- **Prof. Giuseppe Dessi**
- **Dott.ssa Chiara Gabbi**
- **Prof. Giuseppe Lembo**
- **Dott. Marco Praveioni**
- **Dott.ssa Emanuela Ricciotti**
- **Prof. Francesco Paolo Schena**
- **Dott. Federico Soldani**

Il **Dott. Gaetano Guglielmi**, Direttore dell’Ufficio III di questa Direzione Generale e referente per qualsiasi problema legato al sistema informativo nonché per concordare la definizione delle modalità e procedure da seguire nel corso della study session, precisa preliminarmente le modalità di accesso al sistema per il quale sono attribuite a ciascun componente le proprie credenziali informative.

La Commissione nomina, quindi, il Prof. Schena quale Presidente della seduta odierna.

Il **Prof. Schena** dà avvio ai lavori.

Il **Dott. Guglielmi** illustra la situazione attuale del referaggio dei progetti esteri afferenti al Bando R.F. 2010 e sottopone all’esame della commissione l’allegato elenco di progetti (All. n. 1).

La Commissione, constatato che tutti i progetti hanno ottenuto almeno due giudizi decide, al fine di verificare l’esistenza di eventuali incongruità nella procedura di valutazione, di riesaminare in maniera collegiale quei progetti che presentano eccessive discordanze di punteggio ad esclusione di quelli con face to face concluso.

La Commissione effettua, quindi, la rivalutazione dei progetti per i quali il punteggio finale non appare adeguatamente sostenuto dal giudizio.

La Commissione nell’analizzare i progetti ha constatato che il referee n. 1711001 non ha espresso valutazioni congrue. Inoltre le motivazioni sono del tutto carenti e in alcuni casi assenni. Pertanto decide all’unanimità di rivedere tutte le valutazioni del sopraindicato referee invitando gli uffici a censurarlo ed escluderlo dalla lista dei revisori.

Esclude, inoltre, dalla graduatoria il progetto RF-2010-2315979, in quanto mancante del P.I. estero, contrariamente a quanto previsto dal Bando R.F. 2010.
Le valutazioni emerse sono riportate nell’elenco allegato al presente verbale (All. n. 2).

A seguito di ulteriore verifica della coerenza del giudizio espresso con il punteggio attribuito, la Commissione di Valutazione progetti esteri procede collegialmente alla stesura della graduatoria finale, approvata all’unanimità dai componenti e allegata al presente verbale come parte integrante dello stesso (All. n. 3).

La Commissione di valutazione progetti esteri bando R.F. 2010, propone di sottoporre all’attenzione della Commissione Nazionale Ricerca Sanitaria la possibilità di recuperare risorse sufficienti per poter estendere, anche ai progetti che hanno ottenuto un final score pari a 7, il finanziamento entro i limiti massimi di cui all’allegato n. 4.

Il Presidente chiude i lavori della study session progetti esteri alle ore 18,00.

Roma, 3 maggio 2012

IL PRESIDENTE
Prof. Francesco Paolo Schena

I COMPONENTI:

Prof. Enrico Bollero

Prof. Giuseppe Dessi

Dott.ssa Chiara Gabbi

Prof. Giuseppe Lembo

Dott. Marco Pravetoni

Dott.ssa Emanuela Ricciotti

Dott. Federico Soldani
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<tr>
<th>TITOLO</th>
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<tr>
<td>NEW GENETIC LESIONS CHARACTERIZING HIGH RISK CHRONIC LYMPHOCYTIC LEUKEMIA: CLINICAL AND FUNCTIONAL IMPLICATIONS</td>
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<td>High-density EEG as a tool for localizing the epileptogenic zone in extratumoral refractory focal epilepsy: a validation study by means of Stereo-EEG and post-surgical outcome evaluation</td>
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<td>PROTECTIVE AND DANGEROUS IMMUNE RESPONSES DURING HIV-1 INFECTION</td>
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<td>Novel surface and intracellular targets for tailored nanotechnology-based drug delivery in colorectal cancer</td>
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<td>Biomarkers and functional imaging guided treatment decision making in recurrent prostate cancer</td>
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<td>Identification and functional validation of microRNA biomarkers in lung cancer</td>
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<td>Autophagy in the immune response against Mycobacterium tuberculosis: identification of novel rapamycin-regulated host targets to improve BCG vaccine immunogenicity</td>
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<td>Congenital anomalies of the kidney and urinary tract (CAKUT): definition of genetic and structural backgrounds based on high throughput innovative approaches</td>
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<td>PATHWAYS OF COAGULATION AND PLATELET ACTIVATION IN FLOWING BLOOD: NEW PERSPECTIVES IN THE MANAGEMENT OF ANTITHROMBOTIC THERAPY</td>
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<td>Dissection of the immune response to human cytomegalovirus glycoprotein complexes: perspective for the development of a candidate subunit vaccine</td>
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<td>Targeting drug resistance in Ovarian Cancer</td>
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<td>Mechanisms of aggregation and toxicity of tau protein in Alzheimer’s disease</td>
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<td>P2X7 receptor/MMP9 pathway in thrombosis and atherosclerotic plaque destabilization: exploring the possibility to modulate carotid plaque progression</td>
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<td>Preparatory, response-related, outcome-evaluation and predictive components of attentional orienting in right brain damage: clues for diagnosis and rehabilitation</td>
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<td>mTOR-dependent oscillatory metabolic switch controlling self-immune tolerance</td>
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<td>HPV INFECTION AND DISEASE IN IMMUNOSUPRESSED MALES AND FEMALES: PREVALENCE AND</td>
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<td>VIRO-IMMUNOLOGICAL DETERMINANTS OF ORGAN DAMAGE</td>
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<td>Noncoding RNAs and cancer</td>
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<td>Overcoming the postmitotic state of terminally differentiated cells in favor of regenerative medicine</td>
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<td>The ECM molecule MULTTIMEIN2 as a potential therapeutic tool to hamper tumor angiogenesis and tumor growth</td>
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<td>RF-2016-2318512</td>
<td>Role of influenza virus infection in the etiopathogenesis of diabetes</td>
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<td>RF-2010-2308270</td>
<td>Interleukin-27 in the control of pediatric acute leukemia cell growth in NOD/SCID/Il2rg/- mice with human immune system</td>
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<td>RF-2010-2305526</td>
<td>TARgeted Multistage vector (MSV) for the Diagnosis and treatment of Solid tumors</td>
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<td>RF-2010-2309790</td>
<td>Pemphigus vulgaris as a paradigm of autoantibody-mediated organ-specific autoimmune disorder: pathophysiology and novel tools for diagnosis and therapy</td>
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<td>RF-2010-2305957</td>
<td>Enhancement of models for identification of patients with potential benefit from chronic care case/disease management programs.</td>
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<td>RF-2010-2318827</td>
<td>Microvesicles (MVs) in human Hepatocellular carcinoma (HCC): Potential for diagnostic and therapeutic applications.</td>
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<td>RF-2010-2315888</td>
<td>Dissecting the role of plasmacytoid dendritic cells in the progression of cutaneous melanoma</td>
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<td>RF-2010-2317597</td>
<td>Identification of common biological pathways in Rett patients mutated in MECP2, CDKL5 and FOXG1.</td>
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<td>RF-2010-2313497</td>
<td>Early detection and treatment of recurrent, chemotherapy-resistant ovarian cancer stem cells by CPE peptide complexed superparamagnetic iron oxide nanoparticles (CPE-SPIONs)</td>
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BANDO RICERCA FINALIZZATA-GIOVANI RICERCATORI 2010

Study Section Progetti Collaborazione Ricercatore Italiano all'Estero

Elenco Motivazioni

GR-2010-2299397
Development of new strategies to study alcoholism: evaluation of toxicity, tolerance and ethanol dependence mechanisms by molecular imaging, genetic and epigenetic analysis
The committee noted a disagreement on the different evaluation scores. The committee analyzed the project and decided to agree on the average score for the reviewers who give scores of 16.0 and 14.0, so the final score assigned by the committee is 15.0

GR-2010-2300612
DERMATOLOGIC PROBLEMS IN ONCOLOGICAL PATIENTS. A PREVENTIVE AND THERAPEUTIC APPROACH
The committee noted a disagreement on the different evaluation scores. The committee analyzed the project and decided to agree on the average score for the reviewers who give scores of 17.0 and 22.0, so the final score assigned by the committee is 19.5

GR-2010-2307889
The role of macrophages in Primary Biliary Cirrhosis: novel targets for immune intervention
The committee noted a disagreement on the different evaluation scores. The committee analyzed the project and decided to agree on the average score for the reviewers who give scores of 8.5 and 9.0, so the final score assigned by the committee is 8.75

GR-2010-2308290
Understanding and treating impairment in automatic movements execution in Parkinson's disease
The committee noted a disagreement on the different evaluation scores. The committee analyzed the project and decided to agree on the average score for the reviewers who give scores of 15.5 and 12.5, so the final score assigned by the committee is 14.0

GR-2010-2309479 Risk assessment and safety procedures for MRI examination on patients with deep brain stimulators
The committee noted a disagreement on the different evaluation scores. The committee analyzed the project and decided to agree on the average score for the reviewers who give scores of 16.0 and 14.0, so the final score assigned by the committee is 15.0

GR-2010-2309621
NEUROREHABILITATIVE PROGRAM FOR LIMB APRAXIA BY NEUROMODULATION OF LINGUISTIC VICARIOUS SKILLS
After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 14.75

GR-2010-2310058
HUNT FOR NEW DISEASE GENES IN CONGENITAL MUSCULAR DYSTROPHY WITH HYPOGLYCOSYLATED ALPHA-DYSTROGLYCAN
After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 17.5

GR-2010-2310981
Congenital Myopathies: genetic screening starting from a new diagnostic algorithm
The proposal is well designed. PI aims to integrate clinical findings and morphological aspects of the muscle tissue. A diagnostic algorithm will be developed. The combination of the innovative techniques will improve the results of the proposal. Project is a little ambitious. PI has good clinical and research training with a good chance of reading interesting results. After having evaluated the project and considered the reviewer comments, the review panel committee agreed on this final score: 8.5

GR-2010-2311169
Autoimmunity in Diabetes: a Holistic Hypothesis of the Diabetes Syndrome
The aim of this research proposal is novel and wants to investigate a possible immunomodulatory effect of physical activity in patients affected by diabetes insipidus. The PI is a promising young investigator but he provides only 3 papers in the field of the proposal. The project lacks molecular and mechanistic hypothesis therefore it appears to be just descriptive. After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 11.5

GR-2010-2311329
Dissection of the immune response to human cytomegalovirus glycoprotein complexes: perspective for the development of a candidate subunit vaccine
The committee noted a disagreement on the different evaluation scores. The committee analyzed the project and decided to agree on the average score for the reviewers who give scores of 4.5, 6.0 and 8.5, so the final score assigned by the committee is 6.33
DO INHIBITORY NETWORKS SUSTAIN SEIZURE GENESIS IN FOCAL EPILEPSY?
After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 11.25

High Throughput analysis of cancer cells for therapy evaluation by microfluidic platforms integrating plasmonic nanodevices
An additional review was performed. After having evaluated the project and considered the reviewer comments, the review panel committee agreed on this final score: 8.0

The role of T cells in postmenopausal bone loss: focus on autoreactive T cells in peripheral blood of patients affected by severe form of osteoporosis.
The aim of this proposal is innovative and wants to study the role of auto-reactive T cells in the development of osteoporosis. The project comes from a collaboration between a young investigator and a foreign institution, both with a good track of publications. The study is well designed with good cohort of patients. After having evaluated the project and considered the reviewer comments, the review panel committee agreed on this final score: 9.5

The role of B cells in Graft-versus-Host Disease after allogeneic hemopoietic cell transplantation
After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 11.75

Synaptic alteration of mGluR signaling underlying SHANK3 mutations in intellectual disability and their rescue by pharmacological therapies
The committee noted a disagreement on the different evaluation scores. The committee analyzed the project and decided to agree on the average score for the reviewers who give scores of 12.5 and 15.5, so the final score assigned by the committee is 14.0
GR-2010-2313440
Molecular tools for the diagnosis and treatment of early placentation defects and related pregnancy pathologies
After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 15.5

GR-2010-2313802
After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 21.5

GR-2010-2313839
Acid Retinoic-Producing Dendritic Cells as New Therapy for Type 1 Diabetes
After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 11.5

GR-2010-2313864
Role of hypoxia-induced miR-210 in tissue response to peripheral ischemia
After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 9.25

GR-2010-2313877
A defect in TLR7 gene expression impaires innate and adaptive immunity in Multiple Sclerosis patients: intracellular mechanisms as therapeutic targets
After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 12.25

GR-2010-2314305
Clinical and biological markers in unipolar vs bipolar depression
After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 17.5

GR-2010-2315085
Prospective, Randomized, Multi-Center Trial of Lateral Trendelenburg versus Semi-Recumbent Body Position in Mechanically Ventilated Patients For The Prevention of Ventilator-Associated Pneumonia
Both reviewers have merits and although the score is significantly different between the two reviews the committee decides to attribute the average score to this project After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 12.0

GR-2010-2315414
mTOR-dependent oscillatory metabolic switch controlling self-immune tolerance
After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 6.75

**GR-2010-2315805**
EARLY EVENTS IN THE INDIRECT PATHWAY IN ANIMAL MODELS OF PARKINSONS DISEASE.
The reviewers had a clear disagreement on the final score (17 vs 9.5). One reviewer highlighted few major flaws: 1) Lack of clear hypothesis 2) Mildly original 3) The PI background is extensive and he/she is clearly qualified on this specific topic. The PI does not show the appropriate experience in leading a research team. The other reviewer noted that the PI has a relatively poor track record of publications and only one first author publication. However, it was noted that the foreign collaborator is very strong. Additionally it was noted that preliminary data are lacking for mGlu5 and that bibliographical references are scarce. After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 13.25

**GR-2010-2315979**
Investigations on the multifaceted role of Enhancer of Zeste 2 (EZH2) in glioblastoma biology
The project doesn’t have a researcher abroad. After having evaluated the project and considered the reviewer comments, the review panel committee agreed on this final score: 36

**GR-2010-2316629**
Genetic and functional analysis of circulating microRNAs in multiple sclerosis: potential prognostic biomarkers of disease course?
After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 18.5

**GR-2010-2317163**
Modularity for sensory motor control: implications of muscles synergies in motor recovery after stroke. The committee noted a disagreement on the different evaluation scores. The committee analyzed the project and decided to agree on the average score for the reviewers who give scores of 11.0 and 14.0, so the final score assigned by the committee is 12.5.
GR-2010-2317516
Gene Expression Profiles of the aneurysm wall and Genome-wide screen in patients with Ruptured and Unruptured Intracranial Aneurysm: are there genetic determinants identifying Ruptured Aneurysm and patients at risk of rupture in Aneurysm Population?
After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 21.5

GR-2010-2318215
Assessment of the diagnostic value of novel salivary and lachrymal biomarkers for the early non-invasive diagnosis of primary Sjögrens syndrome
Scientific quality of the proposal is relevant. Innovative content is a little bit vague. Methodology includes an appropriate strategy. The group of investigators has a long experience in the field of the proposal. The diagnostic approach is appropriate. After having evaluated the project and considered the reviewer comments, the review panel committee agreed on this final score: 10

GR-2010-2318337
In vivo imaging of microglia signature: from mouse models to brain injured patients
An additional review was performed. After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 13.25

GR-2010-2318448
Towards intervertebral disc regeneration: mesenchymal stem/stromal cells with a novel bioactive hydrogel based approach.
An additional review was performed. After having evaluated the project and considered the reviewer comments, the review panel committee agreed on this final score: 7

GR-2010-2319057
Robotic Therapy for balance recovery and evaluation in pediatrics
After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 9.5

GR-2010-2319145
Identification of predictive biomarkers of pegIFN-alpha-induced depression and comprehension of the underlying mechanisms
After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 15.0
GR-2010-2319216
Loss-related pain as reflected by cortical responses to nociceptive stimuli in healthy subjects and individuals with complicated grief: perception, electrophysiology and a tentative pharmacological approach
After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 20.0

GR-2010-2319248
Neuroinflammation in cerebral ischemia: discerning the role of G protein beta/gamma complex translocation in reactive gliosis
An additional review was performed. After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 19.25

GR-2010-2319470
ELBA.PSD Ecological Language Behaviour Assessment For Post Stroke Dementia
After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 15.75

GR-2010-2320147
Extracellular iron as a key signal in muscle necrosis and regeneration
After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 9.25

GR-2010-2321373
Investigation of B cell function and diversity in patients with SCID-X1 following HSCT or gene therapy
After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 12.75

GR-2010-2321727
Sodium channel Nav1.1: the most relevant epilepsy gene. Pathomechanisms and development of novel therapeutic strategies.
An additional review was performed. After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 12.0

RF-2010-2314954
Post-partum depression: chronobiology, sleep-related risk factors and light therapy
The reviewers disagreed on fewer minor points. However, the reviewer scoring 8.5 gave a more thorough review and assessment. Therefore the scientific review committee advises to maintain such score. the review panel committee evaluated the project and found it a 8.5 score more appropriate
RF-2010-2321646
The impact of local sleep on awake human behavior
The proposal has been reviewed by the committee; both reviews have merits and address appropriately the presented research project on the impact of local sleep on awake human behavior. The committee decides to attribute the average score of the two reviewers to this project, but the review panel committee agreed on the average as final score: 9.0

RF-2010-2318170
Cognitive, physiological and imaging correlates of visual hallucinations in Lewy body dementia: a multimodality functional study
It is proposed to take the average between the two closest evaluations. The third evaluation is considered by the committee to be too high: for instance, 9 is given to methodology because a radiologist is supposed to be absent, but Dr. Renzo Manara is a radiologist. After having evaluated the project and considered the reviewer comments, the review panel committee agreed on this final score: 7.5

RF-2010-2317957
Biochemical markers of brain damage following epileptic seizures in children and correlation with cognitive outcome and quantitative imaging data
It is proposed to confirm the evaluation of the first reviewer/team leader: 9. The second reviewer highlights as an important limitation the fact that biomarkers in neonatal hypoxic-ischemic brain injury have been shown to be unreliable. However, this project is about prolonged seizures and status epilepticus. Innovation content of the project is indeed very high: the proposal involves investigation of candidate CSF and blood biomarkers to quantify brain damage in children with prolonged epileptic seizures and status epilepticus and to study the predictive value of such biomarkers in terms of cognitive outcome and brain imaging data. There have been only few papers to date on biomarkers of neuronal and glial damage in this patients population. The committee considers a priority this research area and agrees that the scoring of the first reviewer appropriately reflects the value of the proposal. After having evaluated the project and considered the reviewer comments, the review panel committee agreed on this final score: 9.

RF-2010-2319316
High-density EEG as a tool for localizing the epileptogenic zone in extratemporal refractory focal epilepsy: a validation study by means of Stereo-EEG and post-surgical outcome evaluation
It is proposed: the mean score between second and third reviewers. The first reviewer emphasizes the need for a neuro-radiologist in the research team but does not justify/support the reason for such request. Although some aspects of the data analysis and methodology could have been clarified in greater detail by the investigators proposing the study, the Italian as well as the foreign collaborator are well known, established investigators in the field and the project is highly innovative. The committee decides that a more appropriate score is the average between second and third reviewers, final score: 5.
RF-2010-2316794
Optimizing the combined use of electrical stimulation and dopaminergic drugs in temporal and spatial aspects of action neuro-rehabilitation
An additional review was performed. After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 24.75

RF-2010-2314748
Vitiligo as model for autoinflammatory-induced degenerative disease.
This is a potentially interesting proposal, however it has several weaknesses as precisely indicated by the reviewer # 1711015. One of the main concerns is that the project is not feasible for a three year period. The reviewers provided contrasting feedback; however, reviewer # 1711001 didn’t provide any motivation at the assigned score. On these premises, the committee agrees with the score assigned by the reviewer # 1711015. After having evaluated the project and considered the reviewer comments, the review panel committee agreed on this final score: 20.5

RF-2010-2317851
Unveiling the microbial signature of Coeliac Disease
This is a very interesting project and well described. The major weakness is the lack of the expertise of the foreign collaborator. He has just one publication on the same topic of the project proposal. On these premises, the committee agrees with the score assigned by one of the reviewers and proposes the final score of 11.

RF-2010-2309134
New insights in the treatment of necrotizing enterocolitis: Modulation of the cholinergic anti-inflammatory pathway with the use of melanocortins in an experimental neonatal model. This is an interesting study with potential for clinical application of melanocortins in necrotizing enterocolitis. The major weakness is the lack of statistical analysis to justify the sample size. The reviewers evaluated differently the study design proposed; however, they agree that the study is feasible and of clinical relevance. On these premises, the committee accepts as final score the average. Final score: 11.0

RF-2010-2318092
Molecular mechanisms underlying metabotropic glutamate (mGlu) receptor dysfunction in Fragile X syndrome
The reviewers showed a disagreement on the proposed studies (13 vs 5.0). The investigator and its team are excellent, as evidenced by track record of publications. They also show the competences necessary for the development of the proposed aims. The scope is original and innovative. Methods are appropriate, clear and well supported by preliminary data from all groups involved. Rather than accepting the average of proposed scores, the Scientific Review Committee proposes a score of 7.5 to award the overall project. One of the reviewers noted that most of the experiments are expected to be at a non-physiological level of mGlu5 activity, how would the expertsmenters be assured that any observation is not an artificial result of such
artificial perturbation of biology? For example, do the applicant expect similar outcomes by stimulating the other group I mGlu (mGlu1) and, if so, how would she assess specificity? Knockout models can not address these questions as they are non-physiological. The committee feel that studies in wild-type mice along with pharmacological approaches are adequate to address the use of KO. After having evaluated the project and considered the reviewer comments, the review panel committee agreed on this final score: 7.5

RF-2010-2320177
From personality to molecular mechanisms through neurocognitive phenotypes: a translational study of liability to compulsive drug-seeking

One of the reviewers noted that there is limited information on the budget. Looking at the investigators description in their respective biosketch it is assumed that the resource is adequate for the proposed studies. The resource needs to be administratively verified. The foreign collaborator is appropriate and research team is appropriate for proposed studies. Research is innovative and of interest. Testing the role of impulsivity (premature responding) on addiction liability is an hot topic in international literature on drug addiction. Experimental questions are focused on: establishing neurocognitive measures of impulsivity to predict trait-impulsivity in adolescence, adolescents risk behavior or early stress relationship to adult impulsiveness, brain grey matter volumes and navigational strategies association with adult or developmental trait- impulsivity, role of Dopamine2 receptor in addiction liability. The main weakness of the proposed animal studies is that reinstatement of conditioned place preference is not a measure of impulsivity but relapse. This paradigm may be used to address the genetic relevance (between mouse strains) of abuse liability but not impulsivity. Due to the foreign collaborator, the Scientific Review Committee suggests to include rat studies using models of impulsivity based upon self-administration paradigms which would nicely complement proposed studies. It is not clear how imaging studies will be conducted. After having evaluated the project and considered the reviewer comments, the review panel committee agreed on this final score: 13

RF-2010-2302355
Innovation, education and treatment of drug abuse with dual diagnosis (INNUENDO)

The project is innovative and of interest. In fact both reviewers showed favorable comments. However, it is not clear how the current project is particularly unique. Case managers are used extensively in mental healthcare and substance abuse treatment settings already and there is a large literature relating to their effectiveness. Also, a concern is that case managers typically are among the least educated members of the treatment team. Training case managers while testing their role and effect on outcome may prove difficult. After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 9.25

RF-2010-2316726
Role of HIV-1 infection on colorectal carcinoma onset and progression: development of novel therapeutic strategies

The aim of this research proposal is to study the role of HIV infection in the pathogenesis of colorectal carcinomas, with the ultimate goal of developing novel therapeutic strategies that can prevent or delay the onset of the disease.
colorectal cancer. It is a project that comes from a collaboration between ISS and NIH. Both the PI and the Foreign Collaborator have a very good track of publications in high impact factor journals. The study design is appropriate nevertheless Task A appears to be a bit unfocused, with too many in-vitro endpoints and lacking an important in-vivo branch. It would be appropriate to add a study branch in which HIV-infected and HIV-NOT-infected colon cancer cells are injected in nude mice. Task B appears to have weak logical connection with Task A. Doses of the drugs and the way of administration are missing as well as the number of mice planned to be used. It should be also considered that both HIV infection and HAART therapy have been shown to be associated with dyslipidemia and dysmetabolism, factors also involved in the pathogenesis of colon cancer. After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 9.25

RF-2010-2302437
RELEVANCE OF TMEM16A PROTEIN (ANOCTAMIN 1) IN THE PATHOPHYSIOLOGY OF CYSTIC FIBROSIS AND GASTROINTESTINAL MOTILITY DISORDERS
The proposal has scientific relevant aims. The scientific approach is very innovative. Methodology and strategy are appropriate. PI is a highly qualified scientist. The proposal focuses on the role of TMEM 16 A in both lung and gastrointestinal diseases. After having evaluated the project and considered the reviewer comments, the review panel committee agreed on this final score: 8

RF-2010-2311912
Lower limb robotic exoskeleton for children with motor impairment
The opinion of the referee 13003487 is considered adequate by virtue of critical points related to scientific objectives and methodology of study. After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 15.75

RF-2010-2314737
Multimodal optical imaging platform for video-rate intraoperative near infrared fluorescence cardiac imaging.
The research project describes a novel potential application of fluorescence tomography in cardiac surgery. The main pitfall is that the presenter is a cardiac surgeon and the whole project is based on the development of the electronic hardware to build the apparatus capable to be used in vivo. More than 80% of the work will be done in foreign institutions to setup the analytic system. Therefore, the project could be relevant but the main part of the study is not related to PI experience. After having evaluated the project and considered the reviewer comments, the review panel committee agreed on this final score: 15
RF-2010-2316566
Search for new genes and new therapies for Neonatal Diabetes Mellitus (NDM) and Hyperinsulinism and Hypoglycemia (HH).
After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 8.75

RF-2010-2321986
Oxidative stress induced DNA damage response and autophagy in skeletal muscle cells: mechanisms and implication for muscle dystrophy.
The committee noted a disagreement on the different evaluation scores. The committee analyzed the project and decided to agree on the average score for the reviewers who give scores of 15.0 and 16.5, so the final score assigned by the committee is 15.75

RF-2010-2316198
PATHWAYS OF COAGULATION AND PLATELET ACTIVATION IN FLOWING BLOOD: NEW PERSPECTIVES IN THE MANAGEMENT OF ANTIITHROMBOTIC THERAPY
The committee noted a disagreement on the different evaluation scores. The committee analyzed the project and decided to agree on the average score for the reviewers who give scores of 5.0 and 7.5, so the final score assigned by the committee is 6.25

RF-2010-2310905
Gene identification in muscle disorders disrupting cell-extracellular matrix interactions.
The committee noted a disagreement on the different evaluation scores. The committee analyzed the project and decided to agree on the average score for the reviewers who give scores of 17.0 and 15.0, so the final score assigned by the committee is 16.0

RF-2010-2311277
ULTRA-HIGH FIELD(7T)MAGNETIC RESONANCE SYSTEM: NEUROMUSCOLAR APPLICATIONS
The committee noted a disagreement on the different evaluation scores. The committee analyzed the project and decided to agree on the average score for the reviewers who give scores of 10.0 and 15.0, so the final score assigned by the committee is 12.5

RF-2010-2319774
UNRAVELING MECHANISMS UNDERLYING THE RECOVERY OF WALKING ABILITY IN STROKE SURVIVORS
The committee noted a disagreement on the different evaluation scores. The committee analyzed the project and decided to agree on the average score for the reviewers who give scores of 10 and 14, so the final score assigned by the committee is 12
RF-2010-2319378
Quantitative assessment of spasticity: physiopathology and clinical application
The committee noted a disagreement on the different evaluation scores. The committee analyzed the project and decided to agree on the average score for the reviewers who give scores of 8 and 11, so the final score assigned by the committee is 9.5.

RF-2010-2320746
Control of Feral Dog Populations by Immunocontraception
After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 26.25.

RF-2010-2320087
Hormonal changes and impaired spermatogenesis in young males with different levels of spinal cord injury: A longitudinal study
An additional review was performed. After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 15.5.

RF-2010-2318457 Susceptibility to heat in cohorts of births, children and elderly: a multi-centric study to identify short-term effects of heat, effect modifiers and to study long term exposure effects over a ten year period
An additional review was performed. After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 10.0.

RF-2010-2321104
Optoelectronic retinal prosthesis: the astrocyte approach to visual restoration.
After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 8.25.

RF-2010-2319562
Study of the interactions between noise and vibration exposure in view of the assessment of synergistic effect on the cochlea
After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 14.75.

RF-2010-2319783
Preventing onset of psychosis in high risk youths: identification and treatment
After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 16.0.
RF-2010-2320094
Gene identification in rare genetic disorders affecting lysosomal degradation pathways in skeletal muscle.
An additional review was performed. After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score:9.25

RF-2010-2319059
Preparatory, response-related, outcome-evaluation and predictive components of attentional orienting in right brain damage: clues for diagnosis and rehabilitation
After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score:6.5

RF-2010-2312902
Assessment and management of risk factors for sleep disordered breathing and sleep bruxism in pediatric populations. The role of Orthodontics.
After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score:16.75

RF-2010-2314622
DOPAMINERGIC MODULATION OF TONIC GABAA INHIBITION: PATHOPHYSIOLOGICAL AND THERAPEUTIC IMPLICATIONS FOR ABSENCE SEIZURES
After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score:10.5

RF-2010-2311213
The KidsInPlaces Initiative: an international partnership for the study of societal resilience and early child development
After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score:13.25

RF-2010-2311107
ROLE OF THE DNAM-1/PVR PATHWAY IN THE PATHOGENESIS OF HIV-1 INFECTION
After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score:9.5

RF-2010-2319269
DIALECTICAL BEHAVIOR THERAPY (DBT) VS. HIGH-QUALITY OUTPATIENT CARE FOR BORDERLINE PERSONALITY DISORDER. A PRAGMATIC RANDOMIZED TRIAL.
After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score:15.0
RF-2010-2310964
A toxicological redox assay as a new tool for the discovery of susceptibility biomarkers in Parkinson's disease
An additional review was performed. After having evaluated the project and considered the reviewers' comments, the review panel committee agreed on the average as final score: 10.75

RF-2010-2319473
Corticostrital alterations in dopamine-graft transplanted parkinsonian rats: implications for L-DOPA therapy
After having evaluated the project and considered the reviewers' comments, the review panel committee agreed on the average as final score: 11.5

RF-2010-2317962
Predicting recidivism of driving under the influence of alcohol and drug. A genetic, neuropsychological and evoked potential study.
An additional review was performed. After having evaluated the project and considered the reviewers' comments, the review panel committee agreed on the average as final score: 17.5

RF-2010-2318826
Autoimmunome-driven immunotherapy of Alzheimer's Disease
An additional review was performed. After having evaluated the project and considered the reviewers' comments, the review panel committee agreed on the average as final score: 16.25

RF-2010-2317597
Identification of common biological pathways in Rett patients mutated in MECP2, CDKL5 and FOXL1.
After having evaluated the project and considered the reviewers' comments, the review panel committee agreed on the average as final score: 7.0

RF-2010-2310716
Role of Th22 lymphocytes in the expression and persistence of psoriatic phenotype: identification of molecular pathways for innovative biologic therapy
After having evaluated the project and considered the reviewers' comments, the review panel committee agreed on the average as final score: 7.5

RF-2010-2310650
Recruitment, computer-assisted electroencephalographic analysis and functional evaluation in Encephalopathy with Status Epilepticus during Sleep/Continuous Spike and Waves during Sleep.
After having evaluated the project and considered the reviewers' comments, the review panel committee agreed on the average as final score: 17.25
RF-2010-2316216
Molecular bases of phenotypic heterogeneity of Alzheimer’s disease: diagnostic and therapeutic implications
An additional review was performed. After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 13.0

RF-2010-2318892
Mother-delivered infant massage in preterm infants to promote neurodevelopment and bonding: effects on infant sleep and brain maturation
After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 14.75

RF-2010-2312471
Neurobiological bases of the Impulse Control Disorders: the role of the cerebellum.
After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 14.5

RF-2010-2314571
Effect of Human C-Peptide on the Prevention of Diabetic Retinopathy and Nephropathy in a Rat Model of Type 2 Diabetes
After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 14.5

RF-2010-2310617
Study and application of innovative instrumentation and diagnostic protocols in the clinical electrophysiology of vision
After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 19.25

RF-2010-2317818
POST-STROKE DYSPHAGIA: CLINICAL, COGNITIVE AND NEUROANATOMICAL CORRELATES
After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 18.0

RF-2010-2305605
Mechanisms of aggregation and toxicity of tau protein in Alzheimer’s disease
An additional review was performed. After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 6.5
RF-2010-2314888
PRE-CLINICAL EVALUATIONS OF CELL THERAPY FOR OSTEOARTHRITIS TREATMENT
An additional review was performed. After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 10.5

RF-2010-2308270
Interleukin-27 in the control of pediatric acute leukemia cell growth in NOD/SCID/I2rg-/- mice with human immune system
After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 7.0

RF-2010-2317895
Cognitive changes associated with adjuvant chemotherapy (AC) in breast cancer: a FDG-PET study
After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 18.75

RF-2010-2315800
EARLY ENVIRONMENTAL RISK FACTORS AND THE RISK OF DEVELOPING ANOREXIA NERVOSA
After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 14.5

RF-2010-2311016
Hexanucleotide repeat expansion in c9orf72 as a bridge between amyotrophic lateral sclerosis and other neurodegenerative diseases.
An additional review was performed. After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 11.0

RF-2010-2320496
Immunological properties of fetal stem cells retrieved from placenta and amniotic fluid
After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 26.75

RF-2010-2308133
Exploiting cellular transcription factors of the Interferon Regulatory Factors family in novel therapeutic approaches to HIV-1 infection and reactivation from latency
After having evaluated the project and considered the reviewers comments, the review panel committee agreed on the average as final score: 8.25
RF-2010-2309234
Characterization and functions of ROR(\gamma)+ IL22-producing innate lymphoid cells in autoimmune and neoplastic human diseases
After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 8.0

RF-2010-2317428
DEVELOPMENT OF VALIDATED INSTRUMENTS TO ASSESS SPINAL CORD INJURY (SCI) SUBJECTS.
An additional review was performed. After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 14.75

RF-2010-2321072
Neurophysiological and functional connectivity markers of fluctuating cognition and attention disorders in Dementia with Lewy Bodies and Parkinsons Disease with Dementia
An additional review was performed. After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 10.25

RF-2010-2310982
The neurobiology of social behaviour: physiological and pathological processes in mice and humans
An additional review was performed. After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 13.75

RF-2010-2319227
Early risk indicators and prevention of dementia following stroke.
After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 13.5

RF-2010-2314240
Empowering neuromodulation by individually tuned brain-behavior frequency
After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 14.25

RF-2010-2310869
Overcoming the postmitotic state of terminally differentiated cells in favor of regenerative medicine
An additional review was performed. After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 7.0
RF-2010-2311225
Improving the diagnostic homogeneity in schizophrenia using cognitive endophenotypes: an integrated genetic, neuroimaging and neurocognitive approach
After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 15.25

RF-2010-2298992
Modulation of FoxO1 antioxidant function to prevent aging related disorders: diabetes and atherosclerosis
After having evaluated the project and considered the reviewers comments, the review pannel committee agreed on the average as final score: 7.5