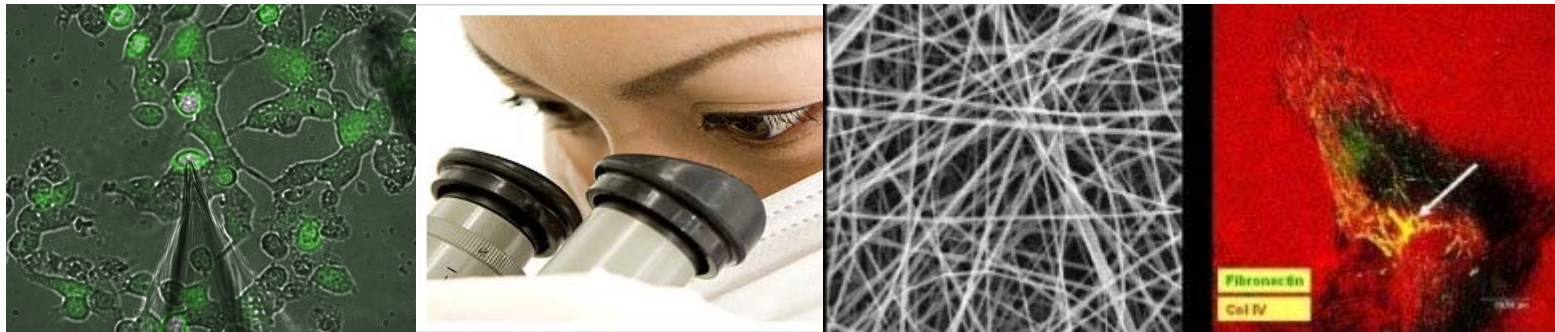


Nanomedicine in Spain: 2005-2012



Prof. Josep Samitier
Spanish Nanomedicine Platform

Institute for Bioengineering of Catalonia (IBEC)
University of Barcelona; Ciber-BBN;

Barcelona, 5-June - 2012

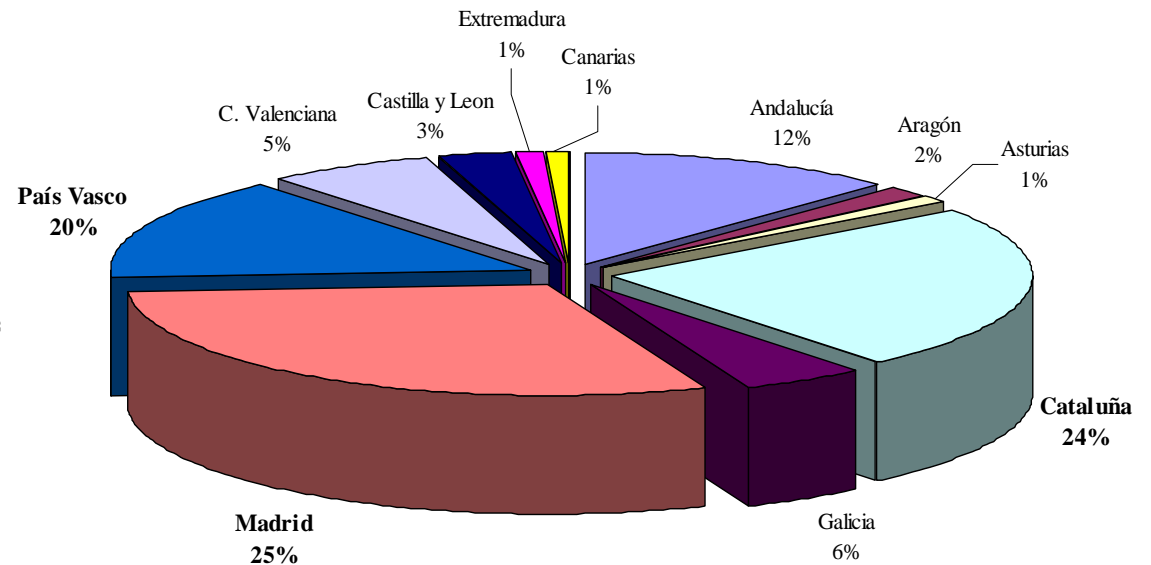
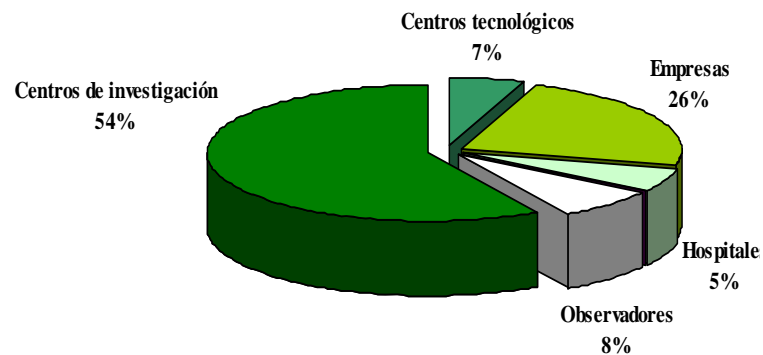
Spanish Platform on Nanomedicine (2005) MISSION

- o **Improve collaboration** between Spanish stakeholders in nanomedicine to avoid fragmentation and lack of coordination. Academia-Industry Forum.
- o Promote participation of Spanish stakeholders in **international initiatives**
- o Think tank role: Establish **recommendations** concerning strategic research activities in nanomedicine
- o **Dissemination** of nanomedicine results to professionals, scientific community and society-at-large

Spanish Platform on Nanomedicine (2012)

Spanish Platform on Nanomedicine: Membership/distribution:

125 members (February 2012)

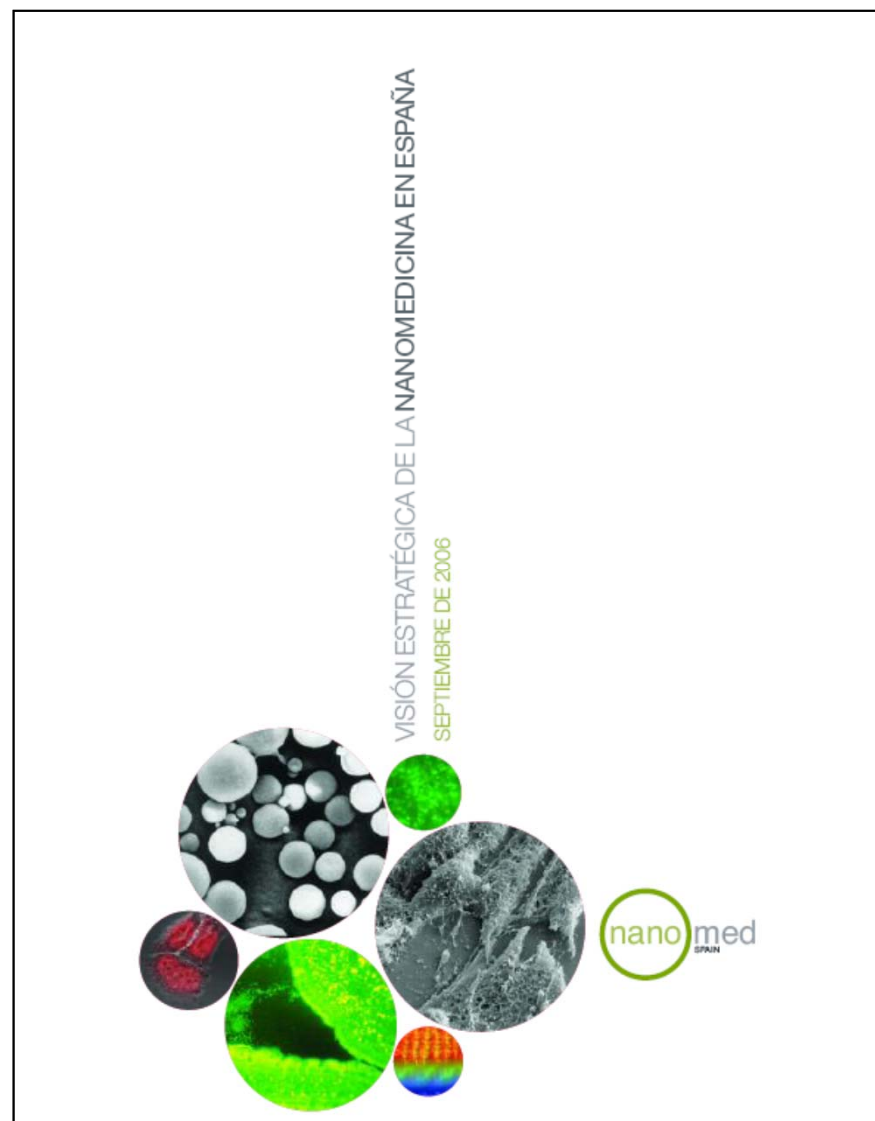


According to Profile:
Academia-Industry
+Clinic
+Policy makers/Gov.

Across Spanish Regions

VISION PAPER: NANOMEDICINE IN SPAIN

(September 2006)

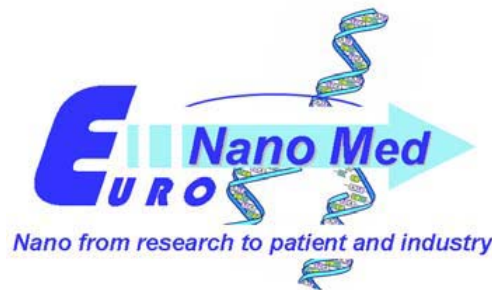


Translational Research

Nanomedicine one
research priority



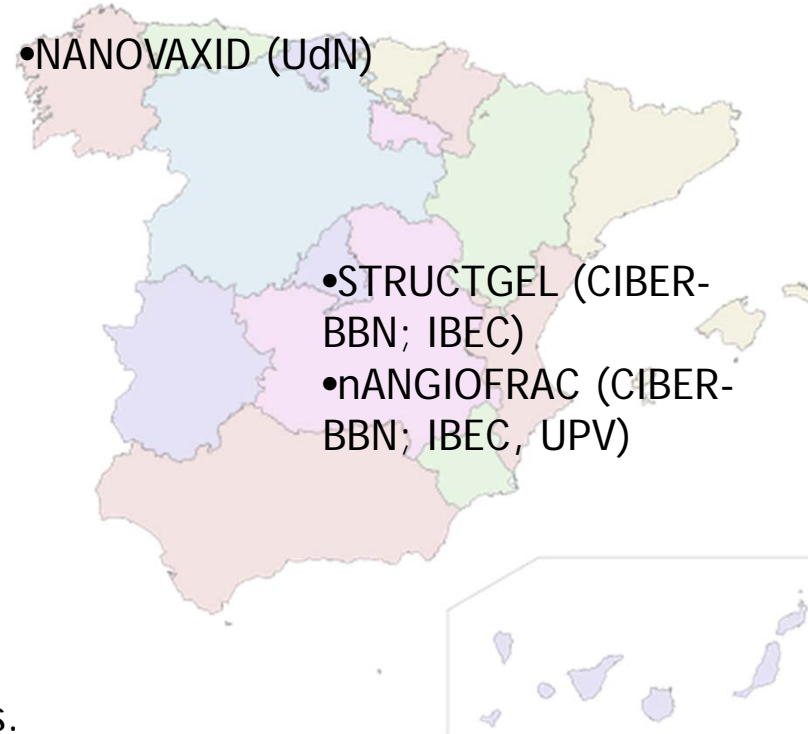
- Translational research (from bench to bed side)
- Internationalization



•NANOVAXID (UdN)

•STRUCTGEL (CIBER-BBN; IBEC)

•nANGIOFRAC (CIBER-BBN; IBEC, UPV)



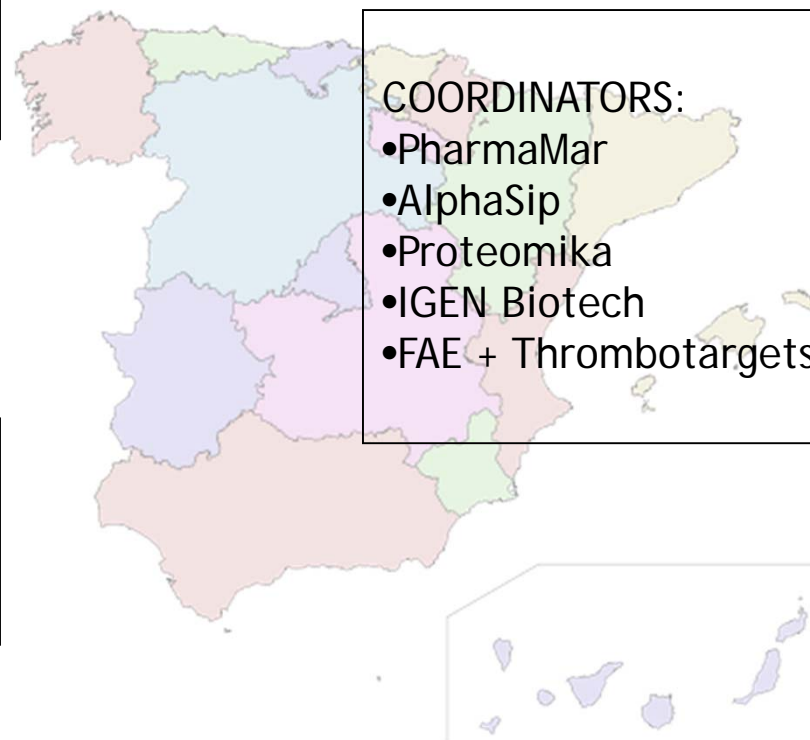
- 3rd (last) call - Dec 2011
- 8 projects financed
- 3 projects coordinated by Spanish groups.
- Collaboration PENM-ISCIII to develop ERANET PLUS NMP2012

○ INNOVATION AND TRANSFER TO MARKET



2011 CALL

• 5 projects financed on Nanomedicine (10 submitted)



COORDINATORS:

- PharmaMar
- AlphaSip
- Proteomika
- IGEN Biotech
- FAE + Thrombotargets

- OUTREACH AND SOCIETY
- INNOVATION

- Collaboration to transfer experiences and know ledges to food and environment industries

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ACTUALIDAD

- Nanospain2012 Conf - Feb 27-March 01, 2012 - Santander (Spain)

During the last two decades, a revolutionary scientific new age, based on the capacity to observe, characterize, manipulate and organize matter in the nanometric scale, is appearing. In this scale, physics, chemistry, materials science, computational theory, and engineering converge towards the same theoretical principles and experimental findings that are basically governed by the laws of the Quantum Mechanics. Nanotechnology involves these interdisciplinary knowledge areas and methodologies in order to study, manufacture and characterize functional structures with dimensions of tens of nanometers.

In 2008, Spain, Portugal and France (through their respective networks NanoSpain, PortugalNano and C'Nano GSO) decided to join efforts in order that NanoSpain events facilitate the dissemination of knowledge and promote interdisciplinary discussions not only in Spain but among the different groups from Southern Europe. Other objectives will also be to enhance industrial participation and permit considering the situation of Nanoscience and Nanotechnology in the south of Europe.

Leer más...

V Conferencia Anual de las Plataformas Tecnológicas de Investigación Biomédica

En los últimos años se han producido importantes cambios en la I+D+i biomédica, con la mirada puesta en los nuevos avances ómicos y en el incremento de la productividad. La colaboración entre todos los agentes involucrados en el proceso de innovación es una realidad, al mismo tiempo que una oportunidad para implicarse en proyectos de mayor alcance. En esta Conferencia se muestran ejemplos

SP Tweet

About 19 days ago From web
NANOMED
Nanospain2012 Conf
- Feb 27-March 01,
2012 - Santander (Spain)
http://t.co/0fCvIER6

About 24 days ago From web
NANOMED
V Conferencia Anual de
irmas
ligación
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NANOMED SPAIN (2011)

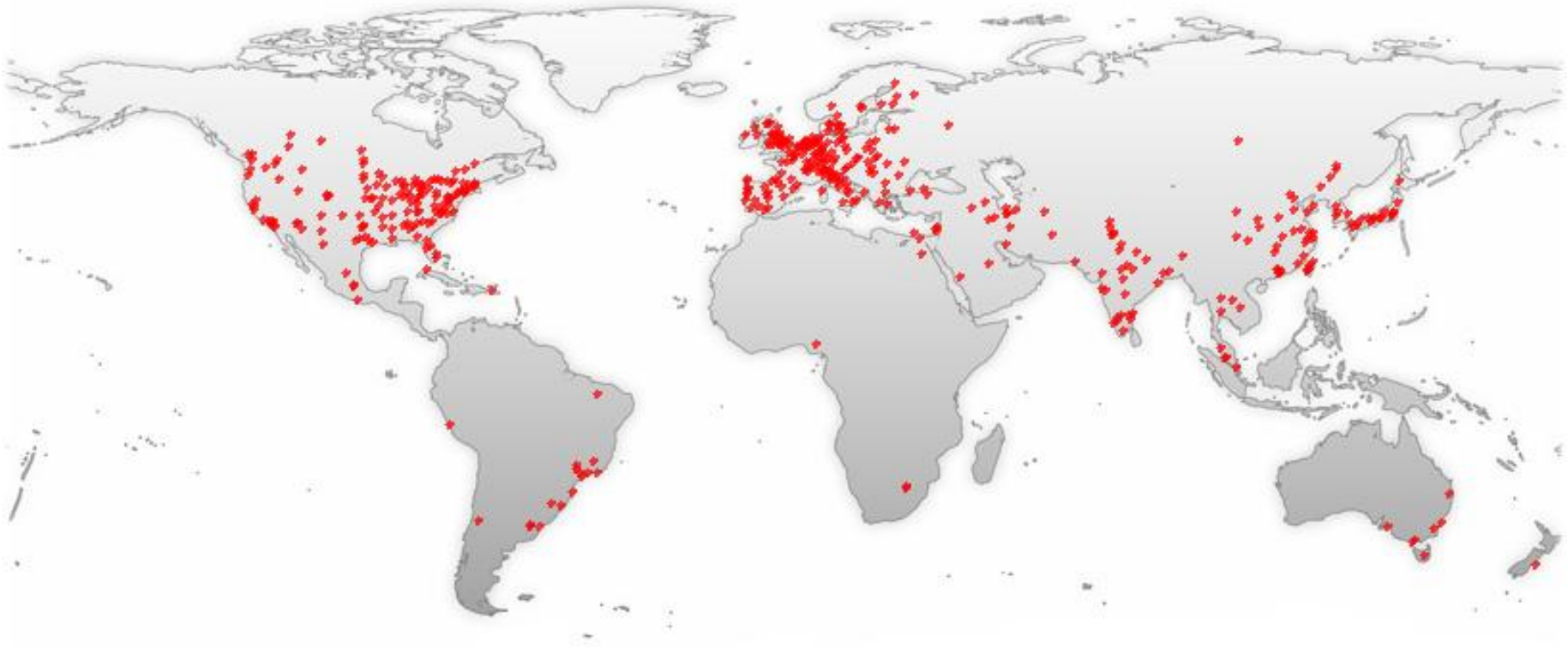


- Set up of a national networked institute, CIBER-BBN, with a research programme bring together the top Spanish research groups.
- Significant leadership of FP7 consortia in the area.
- Large private-public consortia (CENIT programme) for tech transfer to the pharma and medtech sectors.
- Entrepreneurship: spin off companies.
- Development of regional clusters in the framework of bioregions.
- New research institutes working in nanotechnology for health.

GoPubMed Web : Nanomedicine 2,930 documents semantically analyzed

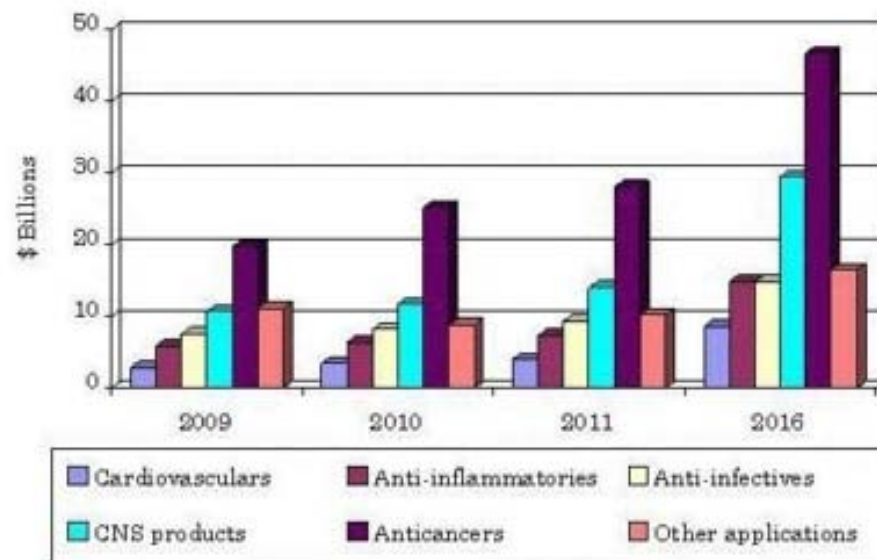
Top Countries	Publications	Top Cities	Publications
United States	1,127	Boston	97
China	214	Barcelona	94
Spain	179	Houston	74
India	144	Omaha	70
United Kingdom	118	Bethesda	68
Germany	96	Los Angeles	60
Japan	71	London	51
Italy	69	Baltimore	36
Canada	57	Beijing	31
France	54		

Nanomedicine World Map



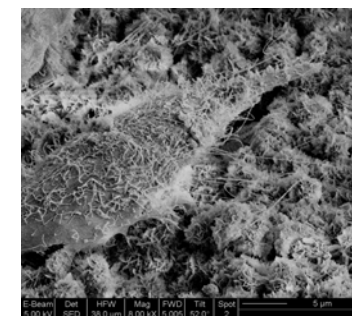
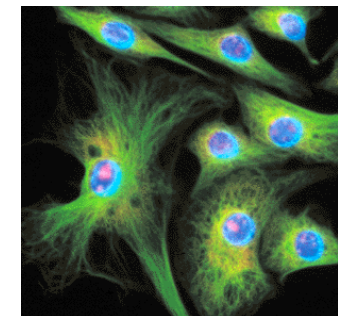
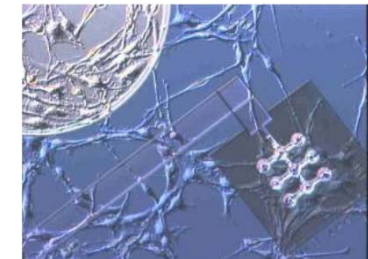
- The global nanomedicine market reached \$63.8 billion in 2010 and \$72.8 billion in 2011. The market is expected to grow to \$130.9 billion by 2016 at a compound annual growth rate (CAGR) of 12.5% between years 2011 and 2016.
- Country markets analyzed are the U.S., Japan, Germany, France, UK, Italy, and Spain.

SUMMARY FIGURE
NANOMEDICAL GLOBAL SALES BY THERAPEUTIC AREA, 2009-2016
(\$ BILLIONS)



Source: BCC Research

Thanks to:



Further info:

<http://www.nanomedspain.net>

[http://www . nanomed - iii. net](http://www.nanomed-iii.net)

<http://www.ciber-bbn.es>



HOJA POR LA INNOVACIÓN EN NANOMEDICINA EN ESPAÑA

In memoriam

Con el apoyo de:



SECRETARÍA DE ESTADO
DE INVESTIGACIÓN,
DESARROLLO E
INNOVACIÓN



NANOMED
S P A I N

HOJA POR LA INNOVACIÓN EN NANOMEDICINA EN ESPAÑA

In memoriam

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