Cervical cancer (CC) is the second most common cause of cancer deaths in women worldwide. The main objective of the RAIDS project is to use this model system which is accessible to repeat biopsies to learn how to stratify patients into targeted therapies. The patients’ tumors will be classified into molecular subtypes based on their molecular profile by use of high-throughput technologies (sequencing, RPPA) combined with integrative bioinformatics analysis. Stratification is a learning process which will need constant readaptation. It will rely on prognostic and predictive biomolecular information gained from patients who will receive either standard therapy (the cognitive cohort) or patients who receive (first generation) targeted therapy. Bioinformatics will be an essential tool to allow integrative genome/proteome analysis and provide functional interpretation of the results at each step. Machine learning techniques will be used to select the most reliable biomarkers. These tools will be used to predict response to cc treatment or progression. Moreover, systems biology approaches will be used to unravel the gene regulatory networks and signaling pathways involved in the tumor progression and should be helpful to select predictive biomarkers and putative drug targets.

Tumor material will be sampled before and following standard therapy or therapeutic HPV vaccination and/or novel targeted drug treatments. Clinical annotation by imaging methods as well as through biomarkers will have quality control procedures and relevant statistical models will be applied.

RAIDS is a multidisciplinary approach integrating genomic studies, protein arrays, viral genotyping and immunohistochemical investigations on CC cells and tissues between academic clinical centers and SME’s. The project is expected to provide new tools for early diagnosis and targeted treatments exploited by SMEs and to accelerate innovation of CC therapy and improve quality of life.
Coordinator

INSTITUT CURIE  

rue d’Ulm 26  
75231 PARIS  
France  

EU contribution: EUR 1 651 811,20

Activity type: Higher or Secondary Education Establishments

Administrative contact: Maud Kamal
Tel.: +33 1 44 32 44 20
Fax: +33 1 53 10 40 41

See on map

Participants

AMSTERDAM BIOTHERAPEUTICS UNIT  
Louwesweg 6  
1066EC Amsterdam  
Netherlands  

EU contribution: EUR 723 630

Activity type: Research Organisations

Administrative contact: Bastiaan Nuijen
Tel.: +31205124482

Contact the organisation

SEQOMICS BIOTECHNOLOGIA KORLATOLT FELELOSSEGU TARSASAG  
VALLALKOZOK UTJA 7  
6782 MORAHALOM  
Hungary  

EU contribution: EUR 957 200

Activity type: Other

Administrative contact: Attila Kereszt
Tel.: +36308270457

Contact the organisation

Keocyt SAS  
rue Chauvelot 29  
92240 MALAKOFF  
France  

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Administrative contact: Christophe Pasik
Tel.: +33142310710
Fax: +33142310710

Contact the organisation
INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE
RUE DE TOLBIAC 101
75654 PARIS
France
See on map

Activity type: Higher or Secondary Education Establishments

Administrative contact: Celia Farge
Tel.: +33 472 138 839
Fax: +33 472 138 801
Contact the organisation

STICHTING ANTONI VAN LEEUWENHOEK ZIEKENHUIS Participation ended
PLESMANLAAN 121
1066CX AMSTERDAM
Netherlands

Activity type: Research Organisations

Administrative contact: Jan Van Den Ham
Tel.: +31205122370
Contact the organisation

ERASMUS UNIVERSITAIR MEDISCH CENTRUM ROTTERDAM
DR MOLEWATERPLEIN 40
3015 GD ROTTERDAM
Netherlands
See on map

Activity type: Higher or Secondary Education Establishments

Administrative contact: Selma Selma Ablak-Ergisi
Tel.: +311070434850
Contact the organisation

KLINIKEN ESSEN-MITTE EVANG. HUYSENS-STIFTUNG/KNAPPSCHAFT GEMEINNUTZIGE GMBH
HENRICISTRASSE 92
45136 ESSEN
Germany

Activity type: Higher or Secondary Education Establishments

Administrative contact: Christian Kurzeder
Tel.: +4920117434013
Contact the organisation
EU contribution: EUR 23,370,70

EU contribution: EUR 122,352,40

EU contribution: EUR 6,810

EU contribution: EUR 60,645

**UNIVERSITAET GREIFSWALD**
DOMSTRASSE 11
17489 GREIFSWALD
Germany
See on map

**Activity type:** Higher or Secondary Education Establishments

**Administrative contact:** Andrea Voelker
Tel.: +49 3834 865097
Fax: +49 3834 865097
Contact the organisation

**INSTITUT ZA ONKOLOGIJU VOJVODINE-ONCOLOGY INSTITUTE OF VOJVODINA IOV**
PUT DOKTORA GOLDMANA 4
21204 SREMSKA KAMENICA
Serbia

**Activity type:** Research Organisations

**Administrative contact:** Marina Popovic
Tel.: +38163515884
Contact the organisation

**TEO HEALTH SA**
IULIU MANIU 49 CORP VECI
500019 BRASOV
Romania

**Activity type:** Private for-profit entities (excluding Higher or Secondary Education Establishments)

**Administrative contact:** Eugeniu Banu
Tel.: +40724630750
Contact the organisation

**INSTITUTIA MEDICO-SANITARA PUBLICA INSTITUTUL ONCOLOGIC**
STRADA TESTEMITEANU 30
2025 CHISINAU
Moldova

**Activity type:** Research Organisations

**Administrative contact:** Nina Samet
Tel.: +373 6916 8034
Fax: +373 22 733 363
Contact the organisation
INSTITUT GUSTAVE ROUSSY
Rue Camille Desmoulins 39
94805 VILLEJUIF
France
See on map

Activity type: Higher or Secondary Education Establishments

Administrative contact: Arnauld Forest
Tel.: +33142116604
Fax: +33142116160
Contact the organisation

QUANTICSOFT SARL
RUE DU CHERCHE MIDI 86
75006 PARIS
France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Administrative contact: Nicolas De Saint Jorre
Tel.: +33 6 03 34 22 28
Contact the organisation

AYMING
185 AVENUE DES GRESILLONS
92622 GENNEVILLIERS CEDEX
France

Activity type: Other

Administrative contact: Maud Bossard
Tel.: +33472355115
Fax: +33472358031
Contact the organisation

STICHTING HET NEDERLANDS KANKER INSTITUUT-ANTONI VAN LEEUWENHOEK ZIEKENHUIS
PLESMANLAAN 121
1066 CX AMSTERDAM
Netherlands

Activity type: Research Organisations

Administrative contact: Jan Van Den Ham
Tel.: +31205122370
Contact the organisation
HANNOVER CLINICAL TRIAL CENTER GMBH
CARL NEUBERG STR 1 K 27 OE 9751
30625 HANNOVER
Germany
See on map

Activity type: Higher or Secondary Education Establishments

Administrative contact: Thomas Fink
Tel.: +49 511 533 333 0
Fax: +49 511 533 333 99
Contact the organisation

ECRIN EUROPEAN CLINICAL RESEARCH INFRASTRUCTURE NETWORK
5 RUE WATT
75013 PARIS
France
See on map

Activity type: Higher or Secondary Education Establishments

Administrative contact: Alicja Szofe-Araya
Tel.: +33 180 05 86 37
Contact the organisation

Subjects
Scientific Research

Last updated on 2016-10-03
Retrieved on 2019-07-08

Permalink: https://cordis.europa.eu/project/rcn/106274_en.html
© European Union, 2019