

Small Cell Lung Cancer (SCLC) Working Group Report: Next Steps

Presented to CTAC

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SCLC Working Group Report

- Working Group report will be included in the SCLC Scientific Framework report submitted to Congress in July
- Congressional report will include:
 - Summary of the literature and recent advances
 - SCLC research supported by NCI
 - Scientific opportunities for SCLC research & plans for implementation of the recommend initiatives (as identified by the SCLC Working Group/Workshop)

Recommendation 1: Better Research Tools for Study of SCLC

- Support infrastructure for SCLC specimen collection over the next 3 years
 - Fund collaborative projects across NCI's research networks to expand the generation of PDX and conditionally-reprogrammed cell lines
 - Specimens to be obtained from biopsies of SCLC patients enrolled in clinical trials or for whom detailed clinical information is available

Recommendation 2: Comprehensive Genomic Profiling of SCLC

- Characterize the genetic and molecular features of the SCLC specimens that have been collected at diagnosis and relapse over the next 3 to 5 years

Recommendation 3: New Diagnostic Approaches for SCLC

- Issue a Program Announcement in the second half of 2015
- Support studies focused on discovering early molecular changes in histologically normal lung, blood (including circulating DNA), and other relevant tissues that could be applied to subsequent screening studies in high risk populations

Recommendations 4 & 5: Therapeutic Development Efforts

- Issue a Program Announcement in the second half of 2015
- Support studies focused on understanding the unique features of SCLC that could be used to develop new therapeutics
 - 1) Molecular vulnerabilities that could be used to develop target agent combinations
 - 2) High rate of initial response and rapid development of clinical resistance to drug and radiation therapy

Oversight

- **SCLC Action Planning Group**
 - Establish in 2014 to oversee implementation of recommendations
 - Extramural experts and NCI staff
- **Scientific Workshop**
 - International Association of the Study of Lung Cancer (IASLC) workshop in 2015
- **CTAC**
 - Report implementation progress publically to CTAC at least annually beginning in 2015



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