

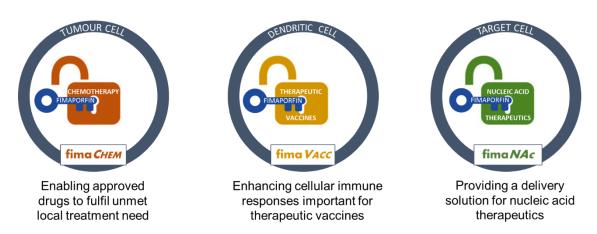


Unlocking the potential of innovative medicines

FIRST QUARTER REPORT

2019

LEVERAGING THE PCI TECHNOLOGY IN THREE DISTINCT AREAS



TRIGGERED ENDOSOMAL RELEASE

ABOUT PCI BIOTECH

PCI Biotech is an oncology-focused biopharmaceutical company headquartered in Norway and listed on the Oslo Stock Exchange. The company develops novel therapies for the treatment of cancer through its proprietary photochemical internalisation (PCI) technology originating from the world-leading research at the Oslo University Hospital – the Norwegian Radium Hospital. The PCI technology works by inducing light-triggered endosomal release that is used to unlock the true potential of a wide array of therapeutic modalities, such as small molecules, vaccines and nucleic acids.

PCI Biotech's lead programme is fima *CHEM* with the photosensitiser fimaporfin (Amphinex®). A first-inman Phase I study of fimaporfin in cancer patients with encouraging early signs of tumour response has been published in the renowned medical journal the Lancet Oncology. This was followed by a Phase Ib study in bile duct cancer patients that delivered encouraging early signs of tumour response and survival, and the company is about to start the pivotal RELEASE study in this high unmet need orphan indication. The second programme fima *VACC* is a vaccination technology in Phase I in healthy volunteers that applies a unique mode of action to enhance the essential cytotoxic effect of therapeutic vaccines. The third programme fima*NAC* is a technology for intracellular delivery of nucleic acids that follows a collaborative development approach, with established collaborations with several key players in the field.



Highlights of the first quarter

- fima CHEM
 - First sites for the pivotal RELEASE study open for enrolment
 - Successful safety read-out in the Phase I extension study confirmed (subsequent event)
 - Completion of the full Phase I study and formal closure of recruitment (subsequent event)
 - Presented Phase I dose-escalation results at the annual conference of the US Cholangiocarcinoma Foundation and at the 3rd Asia-Pacific Cholangiocarcinoma conference in Taiwan
- fima VACC
 - Successful clinical translation (subsequent event)
- Corporate
 - Further strengthened the Scientific Advisory Committee

Key figures

(In NOK '000)	2019 Q1	2018 Q1	2018 FY
Other income	2 245	2 238	9 585
Operating costs	20 354	16 900	54 104
Operating results	-17 929	-14 663	-44 519
Financial items	-4 895	123	9 739
Comprehensive income	-22 824	-14 540	-34 780
Cash & cash equivalents	328 757	38 586	349 326
Net cash flow from operating activities	-21 407	-12 203	-30 297



Operational review

First sites for the pivotal fima CHEM "RELEASE" study open for enrolment and successful translation of fima VACC into man

Final confirmation of safety with two treatments was reached in April 2019 in the fima CHEM Phase I extension study, without the report of any adverse reactions that would limit the delivery of up to two treatments in the RELEASE study. The pivotal RELEASE study will therefore be initiated with up to two treatments and it will also include a seamless safety review when eight patients have been given two treatments. The overall survival data for Phase I patients receiving the pivotal dose are encouraging, suggesting a clear improvement over the best comparable published data. All necessary approvals have been achieved in six countries and the first RELEASE study sites are open for enrolment of patients. PCI Biotech's focus is now to bring fima CHEM to the market for the treatment of inoperable bile duct cancer through successful completion of the RELEASE study.

The translation of the vaccination technology, fima VACC, into humans has been successfully completed. The results of the Phase I study provide proof of concept by demonstrating improvement of immunogenicity of vaccines in healthy volunteers. The overall clinical data covering more than 90 subjects provide clinical support of fima VACC's potential to enhance the cellular immune responses that are especially important for therapeutic effect of vaccines. The results are now to be utilised to establish fima VACC in the immunotherapy field.

On the corporate side, the Scientific Advisory Committee has been further strengthened to ensure adequate scientific support for continued progress of the fima VACC programme in 2019.

Programme	Indica	tions / Therapeutics	Preclinical	Phase I	Phase II	Pivotal
fimaCHEM	1	Bile duct cancer/ gemcitabine				
fima VACC	1	Therapeutic cancer vaccines			•	
fimaNAc	1	Nucleic acid therapeutics				

Overview of PCI Biotech's development pipeline



Development programmes

fima *CHEM*

The **fima***CHEM* programme aims to fulfil unmet medical needs by providing localised targeted enhancement of approved chemotherapies for the benefit of the many patients currently left without effective treatment options. fima*CHEM* is currently focused on localised enhancement of the chemotherapy gemcitabine in the rare disease inoperable extrahepatic bile duct cancer (cholangiocarcinoma), and is in clinical development with Amphinex, the intravenous formulation of fimaporfin. The lead project is initiating the RELEASE study, a pivotal clinical study with the potential of accelerated/conditional marketing approval as a first-line treatment given the rare disease status and high unmet medical need.

Successful safety read-out in the Phase I extension study confirmed

In April 2019 PCI Biotech announced final confirmation of successful safety read-out for the Phase I extension study in inoperable extrahepatic bile duct cancer patients which currently are left without effective local treatment options. The appointed Cohort Review Committee (CRC) completed a formal review confirming PCI Biotech's preliminary report that no adverse reactions have been reported that would limit the delivery of up to two fima *CHEM* treatments in the pivotal RELEASE study with registration intent.

Completion of the full Phase I study and formal closure of recruitment

The full Phase I study, including the extension to explore safety of repeated treatments, is now completed and patient recruitment to this study has been formally closed. The results are planned to be published in scientific journals when the results database has been checked and cleaned.

Local tumour response in the bile duct is important to maintain biliary drainage and primary tumour response may therefore be more important for outcome than would be the case for many other cancers. The fima *CHEM* treatment boosts the chemotherapy effect locally in the bile duct, thereby directly targeting this area. Appropriate biliary drainage may provide the opportunity for patients to receive the maximum cycles of standard of care (SoC) including a second fima *CHEM* treatment and thereby improving patient outcome.

Tumour response data from the full Phase I study shows that approximately 50% of the patients with radiologically evaluable tumours had local tumour response according to RECIST criteria. It is encouraging to note that all the patients with tumour responses in this study had been given one of the two highest dose levels of fimaporfin, with approximately two thirds responding in each of these two groups. The local tumour response appeared to be somewhat less in the extension cohort with one fourth responding, but this may have been influenced by heterogeneity of patients between these small cohorts. Notably, the patient overall tumour burden in the extension cohort was on average about twice the overall tumour burden of the patients in the dose-escalation part of the study. In context of the importance of local control, it is also noteworthy that all progressive disease events were driven by the appearance of new lesions and not by further growth of fima*CHEM* treated tumours.

A post-study follow-up of the patients from both the dose-escalation and extension part of the Phase I study is ongoing. The pivotal dosing regimen is up to two fima *CHEM* treatments of the dose applied in the last (4th) cohort in the dose-escalation part of Phase I. The median overall survival in the fourth dose cohort comprising six patients in the dose-escalation part ended at 21.7 months, with one patient still being alive more than three years after treatment. In the Phase I extension part a total of seven patients received the pivotal dose, and five out of the seven patients received two fima *CHEM* treatments. Three of the seven patients in the extension part of Phase I were alive at last censoring (March – May 2019). Patient numbers are limited and it is too early to put significance to the emerging survival data, but currently this translates to an interim median overall survival of approximately 14 months including all seven patients.



The Phase I study including the dose-escalation and extension part with fima *CHEM* for the treatment of inoperable extrahepatic bile duct cancer aimed to demonstrate the candidate's safety and tolerability as well as finding the right dosing regimen for further clinical studies. A total of 23 patients were enrolled in Phase I, which provided safety results and encouraging early signs of efficacy that support further clinical development in this orphan indication. Based on the positive safety data, the pivotal RELEASE study is being initiated with up to two fima *CHEM* treatments and will include a seamless safety review by an Independent Data Monitoring Committee (IDMC) when eight patients have completed two treatments in the pivotal RELEASE study.

The Phase I results and the pivotal study design and plans were in Q1 2019 presented at two key conferences to increase awareness about fima*CHEM* among both clinicians and patients: the US Cholangiocarcinoma Foundation in Salt Lake City, USA and the 3rd Asia-Pacific Cholangiocarcinoma conference in Taipei, Taiwan.

Pivotal phase preparations underway for initiation in first half of 2019

The pivotal RELEASE study, with registration intent, is expected to start during the first half of 2019; the interim analysis of progression free survival (PFS) and objective response rate (ORR) for potential accelerated/conditional marketing approval is expected to be available approximately 36 months after study initiation, while the final analysis is expected approximately 50 months from initiation. The pivotal study will be executed in clinical sites that first will open in Europe, followed by a roll-out in the U.S.

Ongoing regulatory and ethics approvals and site contract negotiations are progressing well. Regulatory and ethics approvals have been received for 6 countries by April 2019 (Norway, Germany, France, Spain, Sweden and Denmark). The first site was opened in Norway in March 2019 and a total of 2 sites in 2 different countries are open for enrolment by date of this report.

The design of the pivotal RELEASE study is based on regulatory interactions

The pivotal RELEASE study design is based on the outcome of meetings with the two leading regulatory authorities European Medicines Agency (EMA) and the U.S. Food and Drug Administration (FDA). The study programme consists of a single open randomised two-arm study with 186 patients (93 patients per arm), having a control arm with the SoC treatment of up to eight cycles of the chemotherapies gemcitabine and cisplatin, and an experimental arm with up to two fima*CHEM* treatments in addition to SoC. The second fima*CHEM* treatment is administered approximately three to four months after the initial treatment. The study's primary endpoint is PFS, with overall survival (OS) as a key secondary endpoint. The study includes an interim analysis of PFS followed by analysis of objective response rate (ORR), with the potential of accelerated/conditional marketing approval. In addition, the study contains several other secondary endpoints that provide the opportunity to generate robust comparative data of importance for market acceptance of fima*CHEM* as a first-line treatment for inoperable bile duct cancer.

Regular communication milestones

The planned communication milestones for the pivotal RELEASE study will be the initiation of the study, meaning first patient enrolled, and thereafter quarterly updates on the number of countries and clinical sites open for recruitment. Other milestones will be communicated as appropriate, including outcome of the IDMC reviews, as well as further details regarding timing and plan for interim analysis. In addition, the company will continue with quarterly updates on survival data from the Phase I study.



Bile duct cancer and the fima CHEM technology

Bile duct cancer originates in the ducts that drain bile from the liver into the small intestine. It is a rare disease where the annual incidence rate is 1-2 cases per 100,000 in the Western world, but higher in most Asian countries. Currently, there is no approved treatment specifically for bile duct cancer and the development pipeline for new potential treatments is limited. Additionally, bile duct cancer is characterised by a remarkable resistance to common chemotherapy, and the only possible curative treatment is surgery. As the majority of cases, however, present as inoperable, there is a high unmet need for new drug classes, improved treatment technologies, or alternative methods in order to increase overall survival and quality of life for these patients.

Today, the common treatment for inoperable patients is stenting to keep the bile duct open, followed by chemotherapy, where a combination of the chemotherapies gemcitabine and cisplatin has become the SoC treatment. Gemcitabine is the most studied and used chemotherapy in the treatment of bile duct cancer, and its effect has been significantly enhanced by the fima *CHEM* technology in preclinical studies. Additionally, the bile duct is easily accessible for light application through routinely used endoscopic methods.

Comparator data for inoperable bile duct cancer

The median overall survival in the studies that established the chemotherapies gemcitabine in combination with cisplatin as SoC treatment in bile duct cancer was 11.7 and 11.2 months respectively (Valle *et al.* NEJM (2010) 362:1273-81 and Okusaka *et al.* BJC (2010) 103:469-74). In the latter study, gallbladder cancer patients had a poorer outcome and the median overall survival was 13 months when these patients were excluded. These results represent the best available published comparator data, but are not directly comparable to the data in the fima *CHEM* Phase I study. The published studies include a wide range of different inoperable bile duct cancer patients, while the fima *CHEM* Phase I study focuses on inoperable extrahepatic bile duct cancer.

fima VACC

The **fime** *VACC* programme aims to enhance the cellular immune responses that are important for the therapeutic effect of vaccines. This proprietary vaccination technology has entered clinical development after having demonstrated strong preclinical efficacy. The translation of this technology into humans by demonstrating improvement of immunogenicity of vaccines has been a main priority for PCI Biotech to establish the company in the immunotherapy field.

Successful clinical translation

The fima *VACC* technology has proven excellent preclinical efficacy with protein and peptide based vaccines, with particularly strong CD8 T-cell immune responses that are considered important for therapeutic vaccination, but also enhanced helper (CD4) T-cell and antibody responses. The initial clinical translation of this preclinical efficacy was done through a Phase I study in healthy volunteers. The study was designed as an open-label, antigen-adjuvant controlled study with the objectives to determine immune responses, safety and tolerability of fima *VACC* in healthy volunteers. The study was performed with two model vaccines; a large immunogenic protein (KLH) and two less immunogenic peptides (HPV). The two HPV peptide antigens chosen for the Phase I study were derived from the E7 protein of the human papillomavirus (HPV). A very high CD8 response hurdle was set by this choice, as it is notoriously difficult to induce CD8 T-cell responses in man with peptides from the HPV E7 protein.

The interim clinical results previously reported that fima *VACC* may enhance overall T-cell responses, especially to the HPV peptide, which is much less immunogenic than the KLH protein. The final data, reported in May 2019, confirms these results, showing a substantial increase in number of T-cell responders to the HPV peptides already after two vaccinations and a clear enhancement in the T-cell responses compared to the control group. The important CD8 responses are also more robust with fima *VACC* and exhibit increased functionality compared to control. These are all highly sought-after features of therapeutic vaccination technologies.

The overall clinical data covering more than 90 subjects provide clinical support of fima VACC's potential to enhance the cellular immune responses that are important for therapeutic effect of vaccines. This



enhancement of cellular immune responses was seen at well tolerated fima *VACC* dose levels, with the tolerability of fima *VACC* also established across a wide range of doses. The analysis of overall T-cell responses has been done in collaboration with Oslo University Hospital, The Radium Hospital, while the analysis of CD8 T-cell responses has been done at the Department of Medical Oncology at Leiden University Medical Centre (LUMC) under the leadership of Professor Sjoerd van der Burg. After reviewing the overall results of the Phase I study, Professor van der Burg said 'These encouraging results obtained by including fimaporfin during vaccination merit further exploration in a relevant clinical disease to assess if the enhanced immune responses translates into clinical benefit'.

Based on the successful clinical translation, PCI Biotech is now assessing the format and potential conferences for publication and presentation of the more detailed study results. The planned immune analysis of the Phase I study samples is now completed and recruitment is stopped. The overall development strategy for fima *VACC* is under assessment.

Research and development supported by a grant

The fima *VACC* programme is supported by a government grant from the Research Council of Norway (BIA-programme) of up to NOK 13.8 million distributed over the course of three and a half years, 2017-2020.

Immunotherapy with the fima VACC technology

The pharmaceutical industry has long recognised the potential of therapeutic cancer vaccination, i.e. vaccines that treat cancer by inducing or strengthening the body's own immune response. Whilst several companies have reported failed clinical studies in the past years, the potential of combining vaccination with immune checkpoint inhibitors has triggered a renewed interest in therapeutic cancer vaccines. Nevertheless, there are still key issues to solve of which improving the immunogenicity of vaccine candidates is a main priority within immunotherapy. PCI Biotech believes the fima VACC technology may play a key role in solving this key challenge.

In order to realise the huge potential of therapeutic cancer vaccines, effective induction of cytotoxic Tcells is critical. Unfortunately, today's vaccines often fail to generate such responses. Most likely, one of the main reasons behind this failure is insufficient delivery of vaccine antigens to the appropriate presentation pathway in the immune cells. The fima VACC technology may solve this challenge by effectively enhancing the vaccine presentation through this pathway.

fima*NAC*

The **fime***NAc* programme provides a targeted intracellular delivery technology for nucleic acid therapeutics. It is a preclinical stage collaborative programme, with six research collaborations established with key players in the field.

Focus on preclinical research collaborations

PCI Biotech employs a collaborative strategy for fima*NAc.* Currently, the delivery technology is used in six preclinical research collaborations in the area of nucleic acid therapeutics. All the collaborators have the same purpose of exploring synergies between the partner's proprietary nucleic acid technologies and the fima*NAc* technology. Thereafter, the intention is to explore the potential for further partnerships.

The current collaboration partners span from an undisclosed big pharma company to five mid-/smallsize biotechnology companies: Bavarian Nordic, BioNTech, eTheRNA immunotherapies, IMV and Phio Pharmaceuticals.

The ongoing collaboration with an undisclosed big pharma company has been extended several times, most recently until the end of June 2019 with the possibility for further extension.



The fimaNAc technology and nucleic acid therapy

Several forms of nucleic acids are widely acknowledged to have significant therapeutic potential, and numerous clinical trials are underway. The therapeutic potential of such compounds is challenged by the obstacles to achieve adequate intracellular access, which the fima*NAc* technology may resolve through enhancing the delivery of the majority of nucleic acid types.

Corporate

Updates on the Scientific Advisory Committee

PCI Biotech's Scientific Advisory Committee (SAC) has been further strengthened by the appointment of Professor Sjoerd van der Burg as committee member from 2019. Professor van der Burg is the Head of laboratory at the Department of Medical Oncology, Leiden University Medical Center (LUMC), The Netherlands. Professor van der Burg's research focus is on immunotherapy in oncology, including cancer vaccines, aiming at developing new treatments of solid tumours. With a translational approach, Professor van der Burg's research spans from preclinical studies and methodological development to clinical trials and collaborative initiatives with special focus on human T-cell response against tumour-specific and associated antigens. Professor van der Burg is a member of numerous international advisory committees and societies including American and European societies for immunology or cancer (AACR, C-IMT, ESMO) and the International Papillomavirus Society.

Resignation of the Chief Business Development Officer (CBDO)

Gaël L'Hévéder resigned as CBDO and left PCI Biotech per end of March 2019 to pursue other career opportunities. The 10,000 share options Mr L'Hévéder held per his resignation are terminated. The business development responsibilities will be shared between the management members in the interim.

Financial review

Exercise of share options under the employee share option program

Participants of the Company's share option program for employees exercised a total number of 61,000 share options on 20 February 2019. Out of these share options 11,000 were exercised by the primary insider Gaël L'Hévéder (CBDO) and 30,000 were exercised by the primary insider Hans Olivecrona (CMO).

Following the exercise of share options the Company's board of directors, pursuant to an authorisation granted by the Company's Annual General Meeting on 29 May 2018, decided to increase the Company's share capital with NOK 183,000 by issuing 61,000 new shares, each share with a nominal value of NOK 3.00 and each giving one vote at the Company's general meeting. The transaction was completed 25 February 2019 and resulted in net proceeds of NOK 0.8 million.

Income Statement

(Figures in brackets = same period 2018 unless stated otherwise)

The Group did not record revenues for financial year (FY) 2019 nor 2018. Grants received from various public sources such as the Norwegian Research Council and "SkatteFUNN" were recorded as other income. Other income for Q1 2019 amounted to NOK 2.4 million (NOK 2.2 million).

Research and development (R&D) costs for Q1 2019 totalled to NOK 16.7 million (NOK 13.3 million). Operating costs for Q1 2019 ended at NOK 20.4 million (NOK 16.9 million). Operating costs are mainly driven by the R&D activity level. For Q1 2019 the preparations for initiation of the pivotal fima *CHEM* trial was driving the costs, while for Q1 2018 the Phase I fima *CHEM* trial and the Phase I fima *VACC* study were the cost drivers.



Net financial result for Q1 2019 was NOK -4.9 million (NOK 0 million). The net negative financial result in first quarter 2019 is mainly driven by exchange rate effects on bank deposits placed in Euro in October 2018, as a hedge of the foreign currency risk for the pivotal study to be initiated in 2019. Since inception the foreign currency hedge has a net positive effect per end of first quarter 2019.

Net loss for the quarter was NOK 22.8 million (NOK 14.5 million). The higher net loss for the quarter compared to last year is due to increased R&D activities and the net negative financial result.

Cash flow and balance sheet

The Group held cash and cash equivalents of NOK 328.8 million at the end of first quarter 2019, compared to NOK 349.3 million per end of 2018, reflecting net negative cash flow from operating activities of NOK 21.4 million in Q1 2019 (NOK 12.2 million) and net proceeds of NOK 0.8 million from a share issue in February 2019 in connection with the employee incentive program. Cash flow from operations is mainly dependent on R&D activities. All cash and cash equivalents were placed as bank deposits at the end of the quarter.

PCI Biotech adopted IFRS 16 Leases for the first time in 2019, applying the modified retrospective method. The implementation effects for Q1 2019 are disclosed under note 16 Right of use assets and lease liabilities.

Share capital

Following completion of the share issue following exercise of share options in February 2019 the Company's share capital is NOK 111,677,670 divided into 37,225,890 shares, each with a nominal value of NOK 3.00 and each giving one vote at the Company's general meeting.

Other

Risks and uncertainty factors for 2019

PCI Biotech is exposed to uncertainties and risk factors, which may influence some or all of the company's activities. As described in the Annual Report 2018, the most important risks the company is exposed to in 2019 are associated with progress and performance of R&D programmes, and the associated regulatory affairs and market risk. No circumstances have been identified that significantly change the uncertainties and risk factors described in the Annual Report 2018.

Related party transactions

PCI Biotech is relying on services provided by third parties, including related parties, as a result of its organisational set-up. PCI Biotech considers its business relationship with The Norwegian Radium Hospital Research Foundation as the only material ordinary related party transactions per Q1 2019. Please see note 7 Related party transactions for further details.

Post-closing events

Final confirmation of successful safety read-out in the fima *CHEM* Phase I extension study was reported in April 2019, including a summary of efficacy results and interim overall survival for patients receiving the pivotal fima *CHEM* dosing regimen. Final results from successful clinical translation of the fima *VACC* vaccination technology was reported in May 2019. PCI Biotech is not aware of any other post-closing events, which could materially influence this interim financial statement.



Outlook

PCI Biotech believes that the proprietary PCI technology has the possibility to unlock the true potential of certain classes of innovative medicines. Supported also by external collaboration partners' opinion, the PCI technology has the opportunity of playing a significant role in the realisation of several new therapeutic modalities, including immunotherapy (fima VACC) and nucleic acid therapeutics (fima NAC).

Although the company's focus is three-pronged, divided over the three programmes, most resources are currently spent on progressing the lead project of fima*CHEM*, which is the clinical development programme of fimaporfin with gemcitabine for the treatment of inoperable extrahepatic bile duct cancer; a rare disease with high unmet medical need. Based on the encouraging early signs of efficacy in Phase I, the company worked with the key regulators in Europe and the U.S. receiving important guidance which informs the design for a pivotal phase study. The final pivotal study design has thus been determined and funding expected to finance the study beyond interim read-out is in place. During this next step, the company will maintain its full commitment of advancing the programme with the ambition of helping the patients currently left without effective treatment options achieve a good quality of life.

In parallel, the two other programmes, fima VACC and fima NAC, are proceeding in accordance with the established development strategy. The clinical validation of the fima VACC technology is essential for PCI Biotech's role within the immunotherapy space. The Phase I study in healthy volunteers provided affirmative results on translation of the technology into humans and key data to support decisions of the programme's further development strategy. The fima NAC programme continues to follow a collaborative approach, by pursuing out-licensing opportunities.

In short, the main priorities of PCI Biotech at this time are to:

- Effectively drive the fima *CHEM* clinical development programme in inoperable extrahepatic bile duct cancer towards the market
- Define and execute the strategy for the next phase of development for fima VACC
- Manage alliance and partnering activities across all commercially interesting areas for the PCI platform

The Board of Directors and CEO PCI Biotech Holding ASA Oslo, 7 May 2019

Hans Peter Bøhn Chairman (sign) Christina Herder Director (sign) Hilde H. Steineger Director (sign)

Andrew Hughes Director (sign) Lars Viksmoen Director (sign) Per Walday CEO (sign)



CONDENSED INTERIM CONSOLIDATED FINANCIAL INFORMATION PROFIT AND LOSS

(In NOK 1,000)	Note	2019	2018	2018
	Note	Q1	Q1	FY
Other income	6	2 425	2 238	9 585
Research and development	7,8,9	16 739	13 335	40 337
General and administrative	16	3 615	3 565	13 767
Operating costs		20 354	16 900	54 104
Operating results		-17 929	-14 663	-44 519
Financial income and costs				
Financial income		659	123	9 890
Financial expenses	16	5 554	0	151
Net financial result	8	-4 895	123	9 739
Profit/loss before income tax		-22 824	-14 540	-34 780
Income tax	9	0	0	0
Net profit/loss		-22 824	-14 540	-34 780
Other comprehensive income		0	0	0
Comprehensive income	5	-22 824	-14 540	-34 780

BALANCE SHEET

(In NOK 1,000)	Note	2019	2018	2018
		31.03	31.03	31.12
Fixed and intangible assets				
Operating assets		39	21	17
Right to use asset	16	1 665	0	0
Total fixed and intangible assets		1 704	21	17
Current assets				
Short term receivables	7	9 968	8 838	7 713
Cash & cash equivalents	7	328 757	38 586	349 326
Total current assets		338 725	47 424	357 039
Total assets		340 429	47 445	357 056
Shareholders' equity and liabilities				
Shareholders' equity				
Paid in capital	11,12	562 119	232 109	560 942
Other reserves		-243 812	-203 551	-220 988
Total equity		318 308	28 558	339 954
Other long term liabilities		96	2 260	107
Lease liabilites	16	1 169	0	0
Total long term liabilities	14	1 265	2 260	107
-				
Trade debtors		5 391	2 109	1 889
Lease liabilities	16	657	0	0
Other short term liabilities	7	14 808	14 519	15 106
Total short term liabilities	13	20 856	16 627	16 995
Total liabilities		22 121	18 887	17 102
Total shareholders' equity and liabilities		340 429	47 445	357 056

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CHANGE IN SHAREHOLDERS EQUITY

(In NOK '000)	2019 Q1	2018 Q1	2018 FY
Equity at beginning of period	339 954	41 842	41 842
Capital increase	839	-	328 833
Share option scheme	339	1 256	4 059
Comprehensive income in the period	-22 824	-14 540	-34 780
Equity at end of period	318 308	28 558	339 954

CASH FLOW

(In NOK '000)	2019	2018	2018
	Q1	Q1	FY
Ordinary profit before taxes	-22 824	-14 540	-34 780
Depreciation, amortisation and write off	153	1	5
Share options	339	1 256	4 059
Net financials	-527	-123	-782
Changes in working capital	924	1 080	420
Cash flow from operating activities	-21 934	-12 326	-31 079
Net financials	527	123	782
Taxes paid	-	-	-
Net cash flow from operating and investing activities	-21 407	-12 203	-30 297
Cash flow from financial activities			
Net proceeds from share issues	838	-	328 834
Net cash flow from financial activities	838	-	328 834
Net change in cash during the period	-20 569	-12 203	298 537
Cash and cash equivalents at the beginning of the period	349 326	50 789	50 789
Cash and cash equivalents at the end of the period	328 757	38 586	349 326



SELECTED EXPLANATORY NOTES:

1. Nature of operation

PCI Biotech Holding ASA (PCI Biotech) was established in 2008, and comprises PCI Biotech Holding ASA, the fully owned subsidiary PCI Biotech AS and the dormant Icelandic Branch PCI Biotech Utibu. PCI Biotech AS was a subsidiary of Photocure ASA until June 2008. The PCI Biotech shares have been listed on Oslo Børs since 27 April 2018 under the ticker PCIB, as a transfer of listing from Oslo Axess. The company is headquartered in Oslo, Norway.

PCI Biotech has developed a unique and patented photochemical intracellular drug delivery technology for use in cancer therapy and other diseases. The technology may also be used to enhance the immunological response of vaccines. The company collaborates closely with The Norwegian Radium Hospital in Oslo, Norway and receives substantial funding on several projects from the Research Council of Norway. The company has an extensive international collaboration network with recognised expert groups in both drug delivery and vaccination. Photochemical Internalisation (PCI) is a proprietary technology for light-directed intracellular drug delivery by triggered endosomal release.

The PCI technology has potential to improve the efficacy of both existing drugs and new classes of drugs, such as therapeutic vaccines, gene therapy and other therapies based on nanotechnology or on biotechnological principles. The company's objective is to prove the clinical usefulness of the technology with various drugs and subsequently license out the technology to partners for further development and marketing. Revenues will be generated at the time of partnering and onwards from up-front payments, milestone payments and royalties from sales. PCI Biotech works on the development of PCI products for enhanced delivery of existing cancer drugs (fima*CHEM*), and as a platform that may both potentiate the effect of vaccines (fima *VACC*) and delivery of nucleic acids (fima*NAC*). PCI Biotech has two active clinical development programmes; one project in the fima*CHEM* programme and the other in the fima *VACC* programme. The fima*CHEM* project is about to initiate pivotal clinical development with the lead candidate fimaporfin (Amphinex) in combination with the chemotherapeutic agent gemcitabine for treatment of inoperable extrahepatic bile duct cancer. The fima *VACC* project is a Phase I study in healthy volunteers, which has provided clinical proof of concept of fima *VACC*'s ability to enhance and direct the response of vaccines towards a stronger cellular immune response. The fima*NAC* programme is in preclinical stage.

2. Basis of presentation

These condensed unaudited interim financial statements have been prepared in accordance with IAS 34 Interim Financial Reporting. These condensed interim financial statements should be read in conjunction with the consolidated financial statements for the year ended 31 December 2018 (hereafter 'the Annual Financial Statements'), as they provide an update of previously reported information. The accounting policies used are consistent with those used in the Annual Financial Statements. The presentation of the condensed interim financial statements is consistent with the Annual Financial Statements. This interim report has not been subject to an audit. The going concern assumption has been applied when preparing this interim financial report. The board of directors approved the condensed interim financial information on 7 May 2019.

PCI Biotech has Norwegian kroner (NOK) as its functional currency and presentation currency. In the absence of any statement to the contrary, all financial information is reported in whole thousands. As a result of rounding adjustments, the figures in the condensed interim financial statements may not add up to the totals.

3. Summary of significant accounting policies

The accounting policies applied and the presentation of the interim condensed consolidated financial information is consistent with the consolidated financial statements for the year ended 31 December 2018.



The new standards and interpretations or amendments to published standards that were effective for the annual period beginning on January 1, 2019 or later and that could affect PCI Biotech are discussed in accounting principles, part 4, to the consolidated financial statements for 2018. In the 2018 financial statements, PCI Biotech made evaluations that *IFRS 16 Leases* will impact PCI Biotech's balance sheet, operating profit and financial expenses, without any expected significant effect on the net total comprehensive income for 2019. Please see note 16 Rights of use assets and lease liabilities for further details.

4. Important accounting valuations, estimates and assumptions

Estimates and judgments are evaluated on an on-going basis and are based on historical experience and other factors, including expectations of future events that are considered to be relevant.

In preparing these condensed interim financial statements, the significant judgements made by management in applying the group's accounting policies and the key sources of estimation uncertainty were the same as those applied to the consolidated financial statements for the year ended December 31st, 2018.

5. Earnings per share

Earnings per share

	2019	2018	2018
	Q1	Q1	FY
Result allocated to shareholders (NOK'000)	-22 824	-14 540	-34 780
Weighted average of outstanding shares ('000)	37 185	24 988	27 797
Earnings per share (NOK per share)	-0.61	-0. 58	-1.25

Diluted earnings per share:

	2019	2018	2018
	Q1	Q1	FY
Result allocated to shareholders (NOK'000)	-22 824	-14 540	-34 780
Weighted average of outstanding shares ('000)	37 671	25 727	28 353
Earnings per share (NOK per share)	-0.61	-0.58	-1.25

Weighted average of outstanding diluted shares is weighted number of average number of shares adjusted with share options that are in the money. Earnings per share is not affected by the dilution if negative results in the period.

6. Segment information and Other income

The Company reports only one segment and had no revenues for the reporting period. Government grants are recognised at the value of the contribution at the transaction date. Grants are not recognised until it is probable that the conditions attached to the contribution will be achieved. The grants are recognised in the statement of profit and loss in the same period as the related costs, and are disclosed as other income. The Company has recognised Norwegian grants and tax incentive scheme (SkatteFUNN) in the period.

7. Related party transactions

PCI Biotech is relying on services provided by third parties, included related parties, as a result of its organisational set-up. PCI Biotech considers that its business relationship with The Norwegian Radium Hospital Research Foundation regarding research and overall PCI technology development represent related party transactions.



The following table shows the extent of such transactions in the reported periods (all figures in NOK '000):

Purchase of services	2019	2018	2018
	Q1	Q1	FY
The Norwegian Radium Hospital			
Research Foundation	639	459	1 806

At the end of the quarter PCI Biotech had NOK 0.4 million in short-term liability to The Norwegian Radium Hospital Research Foundation.

8. Credit risk, foreign currency risk and interest risk

Credit risk

PCI Biotech has no sales for 2018 and 2019 and faces therefore no credit risk.

Maturity profile on short-term receivables at the end of the quarter (all figures in '000 NOK):

	Not due (prepaid expenses)	Less than 3 months	3 to 12 months	More than 12 months	Total
Trade receivables	-	-	-	-	-
Other receivables	704	417	7 422	1 425	9 968
Total receivables	704	417	7 422	1 425	9 968

A majority of the short-term receivables relates to accrued, not received grants (BIA) and tax incentive scheme (SkatteFUNN).

Foreign currency risk

PCI Biotech has transactional currency exposure arising from purchases in currencies other than the functional currency (NOK). In October 2018 PCI Biotech placed parts of the net proceeds from the rights issue of NOK 360 million in Euro deposits as a hedge of the foreign currency risk for the pivotal study, which is planned to be initiated in 2019. PCI Biotech has not implemented any other hedging strategy to reduce foreign currency risk.

For the quarter the cash deposits placed in Euro generated a negative accounting effect of NOK 5.4 million. From inception in October 2018 the Euro deposits have a net positive accounting effect of NOK 3.7 million.

Interest risk

PCI Biotech has no interest bearing debt. PCI Biotech faces interest risk on cash deposits.



9. Research and Development costs

All figures in '000 NOK

	2019 Q1	2018 Q1	2018 FY
Clinical studies	12 818	9 993	27 499
Pre-clinical studies	1 990	1 531	5 943
CMC and equipment	1 279	1 239	3 846
Patents	651	572	3 049
Other costs	0	0	0
Total	16 739	13 335	40 337

PCI Biotech has no development expenditure that qualifies for recognition of an asset under IAS 38 Intangible assets. Expenditure on research activities is recognised as an expense in the period in which it was incurred and all research expenses are recorded in the profit and loss statement, in line with previous years.

10. Deferred tax and deferred tax assets

At the end of the quarter, the group held NOK 94.7 million in non-capitalised deferred tax assets (22% tax rate), which mainly relates to carry forward losses.

11. Share options

Share options outstanding at the end of the period have the following expiry date and exercise prices:

	Exercise price in NOK	Number of sha	are options
Expiry date	per share option	31.12.2018	31.03.2019
2019 - Q3	8.63	40 000	40 000
2020 - Q3	7.84	41 000	26 000
2020 - Q3	3.26	45 500	34 500
2022 - Q3	21.48	340 000	325 000
2022 - Q3	19.24	90 000	60 000
Total		556 500	485 500

Participants in the Company's share option program have on 20 February 2019 exercised a total number of 61,000 share options. Out of these share options 30,000 were exercised at a strike price of NOK 19.24, 15,000 share options were exercised at a strike price of NOK 7.84, 11,000 share options were exercised at a strike price of NOK 3.26 and 5,000 share options were exercised at a strike price of NOK 21.48.

Out of the total number of exercised share options, 5,000 share options at a strike price of NOK 21.48 and 6,000 share options at a strike price of NOK 3.26 are exercised by the primary insider Gaël L'Hévéder (CBDO), who sold 5,300 shares in the market at an average price of NOK 25.75 per share in order to finance the cash and tax impact of the share option exercise. After the transaction Mr. L'Hévéder held 67,700 shares and 10,000 share options in the Company.



Out of the total number of exercised share options, 30,000 share options at a strike price of NOK 19.24 are exercised by the primary insider Hans Olivecrona (CMO), who has sold 30,000 shares in the market at an average price of NOK 25.75 per share. After the transaction Mr. Olivecrona hold 0 shares and 60,000 share options in the Company.

Overview options 2019, Senior executives	Total holdings 31.12 2018	Allocated	Lapsed	Exercised	Expired	Total holdings 31.03 2019
Per Walday, CEO	104 000	0	0	0	0	104 000
Ronny Skuggedal, CFO	116 000	0	0	0	0	116 000
Anders Høgset, CSO	66 000	0	0	0	0	66 000
Gaël L'Hévéder*, CBDO	21 000	0	0	11 000	10 000	0
Kristin Eivindvik, CDO	33 500	0	0	0	0	33 500
Hans Olivecrona, CMO	90 000	0	0	30 000	0	60 000
Sum	430 500	0	0	41 000	10 000	379 500

* Left the Company 31 March 2019 and all unexercised share options expired upon resignation.

12. Share capital

The Company's share capital is NOK 111,677,670 divided into 37,164,890 shares, each share with a nominal value of NOK 3.00 and each giving one vote at the Company's general meeting.

	No. of shares	Nominal value per share in NOK	Share capital in NOK
31.12.2018	37 164 890	3.00	111 494 670
Exercise of share options	61 000	3.00	183 000
31.03.2019	37 225 890	3.00	111 677 670

The Annual General Meeting held 29 May 2018 authorised the Board of Directors to execute share capital increases by issuing up to 1,865,000 shares with a nominal value of NOK 3.00 in connection with the company's employee incentive program. The authorisation is valid for one year.

The Annual General Meeting held 29 May 2018 authorised the Board of Directors to execute share capital increases with up to NOK 8,029,600 in connection with private placements. The authorisation shall not be used to increase the share capital by an amount in excess of 10% of the share capital, based on the share capital per 29 May 2018 and potential share capital increases in relation to the employee incentive programme. The authorisation may be used for general corporate purposes. The authorisation is valid for one year.

Participants of the Company's share option program for employees exercised a total number of 61,000 share options on 20 February 2019. Following the exercise of share options the Company's board of directors, pursuant to an authorisation granted by the Company's Annual General Meeting on 29 May 2018, decided to increase the Company's share capital with NOK 183,000 by issuing 61,000 new shares, each share with a nominal value of NOK 3.00 and each share giving one vote at the Company's general meeting. The transaction was completed 25 February 2019. The capital increase resulted in net proceeds of NOK 0.8 million.

Subsequent to the capital increase transactions in February 2019 the Company's share capital is NOK 111,667,670 divided into 37,225,890 shares, each share with a nominal value of NOK 3.00 and each share giving one vote at the Company's general meeting.



PCI Biotech has more than 3,700 shareholders at the end of the quarter.

10 largest shareholders per 31 March 2019:

Name	No. of shares	Ownership
FONDSAVANSE AS	3 760 443	10,10 %
MP PENSJON PK	2 676 305	7,19 %
MYRLID AS	2 415 000	6,49 %
RADIUMHOSPITALETS FORSKNINGSSTIFT.	1 321 415	3,55 %
NORDNET LIVSFORSIKRING AS	760 239	2,04 %
GRESSLIEN ODD ROAR	618 100	1,66 %
NORDNET BANK AB	560 114	1,50 %
JANDERSEN KAPITAL AS	535 000	1,44 %
BERG-LARSEN ALEXANDER	490 232	1,32 %
VESLIK AS	419 540	1,13 %
Total 10 largest shareholders	<u>13 556 388</u>	<u>36,42 %</u>
Others	23 669 502	63,58 %
Total	37 225 890	100,00 %

Shares owned, directly or indirectly, by members of the board, senior executives and their personally related parties per end of the quarter:

		No. of shares	
Name	Position	31.12.2018	31.03.2019
Hans Peter Bøhn	Chairman	123 662	123 662
Christina Herder	Board member	10 000	10 000
Lars Viksmoen (Stocken Invest AS)	Board member	12 966	12 966
Hilde H. Steineger	Board member	0	0
Andrew Hughes	Board member*	0	0
Per Walday	CEO	68 300	68 300
Anders Høgset	CSO	63 300	63 300
Ronny Skuggedal	CFO	28 300	28 300
Gaël L'Hévéder	CBDO**	62 000	67 700
Kristin Eivindvik	CDO	18 800	18 800
Hans Olivecrona	СМО	0	0
Total		387 328	393 028

 * Andrew Hughes was elected as board member in the annual general meeting in May 2018 and holdings are reported from that date.

** Gaël L'Hévéder resigned and left PCI Biotech by end of March 2019.

13. Other short term liabilities

Other short term liabilities mainly consist of accrued R&D and salary related costs and public duties.

14. Other long term liabilities

Other long term liabilities include public duties payables due in 1-4 years for potential future exercise of share options in PCI Biotech's employee share option scheme and lease liabilities due in 1-3 years



according to IFRS 16. See note 16 for further details regarding IFRS 16.

15. Financial assets and liabilities

Cash and cash equivalents are measured as financial instruments at fair value through other comprehensive income (OCI). The carrying amount of cash and cash equivalents is applied and disclosed since this approximately equals to fair value since these instruments have a short term to maturity. All other financial assets and liabilities are measured as financial instruments at amortised cost and due to short term to maturity and/or low values non-discounted values are applied and disclosed.

16. Right of use assets and lease liabilities (IFRS 16)

IFRS 16 Leases was implemented by PCI Biotech with effects as of 1 January 2019. PCI Biotech leases offices and on transition to IFRS 16, PCI Biotech recognised NOK 1.8 million in right of use assets and a corresponding lease liability which is disclosed in the balance sheet as long- and short term liabilities depended on maturity of the corresponding lease payments. Accounting principles applied are described in the annual financial statement for the year ended 31 December 2018, under accounting principles section 4.

The implementation effect of IFRS 16, movements of the rights-of-use assets and lease liabilities and income statement and cash flow effects for Q1 2019 are presented below:

All figures in '000 NOK

Right of use asset - office

Initial recognition 01.01.2019	1,816
Acquisition costs 31.03.2019	<u>1,816</u>
Depreciation Q1 2019	151
Accumulated depreciation and impairment 31.03.2019	<u>151</u>
Lower of remaining lease term or economic life	3 years
Depreciation method	Linear

Lease liabilities - office

Initial recognition 01.01.2019	1,816
Payments for the principal portion of the lease liabilities	0
Interest expenses on the lease liabilities	9
Total lease liabilities as of 31.03.2019	1,825
Whereof:	
Short term lease liabilities < 1 year	657
Long term lease liabilities > 1 year	1,168

Income statement Q1 2019 - office

Depreciation	-151
Effect on Operating results	<u>-151</u>
Interest expenses on the lease liabilities	-9
Effect on Net financial result	<u>-9</u>
Net effect Comprehensive income	<u>-160</u>



Payments for the principal portion of the lease liabilities (NOK 0 in Q1 2019) is not charged to profit and loss under IFRS 16 and will only have cash flow effects for 2019, while for 2018 these payments are charged directly to profit and loss.

17. Subsequent events

Final confirmation of successful safety read-out in the fima*CHEM* Phase I extension study was reported in April 2019, including a summary of efficacy results and interim overall survival for patients receiving the pivotal fima*CHEM* dosing regimen. Final results from successful clinical translation of the fima*VACC* vaccination technology was reported in May 2019. PCI Biotech is not aware of any other post-closing events, which could materially influence this interim financial statement.



DEFINITIONS AND GLOSSARY

Amphinex: BIA: CCA: CRC: FDA: Fimaporfin: fima <i>NAC</i> : fima <i>NAC</i> : fima <i>VACC</i> : HPV: IDMC: IND IN vitro:	Trade name of the clinical intravenous formulation of fimaporfin User-driven research-based innovation program by the Research Council of Norway Cholangiocarcinoma – Bile duct cancer Cohort Review Committee US Food and Drug Administration Generic name of the photosensitiser active ingredient TPCS2a PCI Biotech's development program for enhancement of generic chemotherapies PCI Biotech's development program for delivery of nucleic acids PCI Biotech's development program for a vaccination technology Human papillomavirus Independent Data Monitoring Committee Investigational New Drug Studies performed with cells or biological molecules studied outside their normal biological context; for example proteins are examined in solution, or cells in
In vivo:	artificial culture medium. Studies in which the effects of various biological entities are tested on whole, living organisms usually animals.
KLH	Keyhole limpet hemocyanin
ODD:	Orphan Drug Designation
ORR:	Overall Response Rate
OS:	Overall Survival
PCI:	Photochemical internalisation
PCIB:	PCI Biotech's ticker at Oslo Børs
PFS:	Progression Free Survival
RELEASE:	Name of PCI Biotech's pivotal study for inoperable extrahepatic bile duct cancer
R&D:	Research and Development
SAC:	Scientific Advisory Committee
SoC:	Standard of Care
NOK:	Norwegian kroner
FY:	Financial year (1 st January – 31 st December)
Q1:	Fourth quarter (1 st January – 31 st March)



FINANCIAL CALENDAR

Q2 Report 2019	28 August	2019
Q3 Report 2019	13 November	2019

INVESTOR CONTACT

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FORWARD LOOKING STATEMENTS

This Report contains certain forward-looking statements relating to the business, financial performance and results of the Company and/or the industry in which it operates. Forward-looking statements concern future circumstances and results and other statements that are not historical facts, and are sometimes identified by the words "believes", expects", "predicts", "intends", "projects", "plans", "estimates", "aims", "foresees", "anticipates", "targets", and similar expressions. The forward-looking statements contained in this Report, including assumptions, opinions and views of the Company or cited from third party sources, are solely opinions and forecasts which are subject to risks, uncertainties and other factors that may cause the actual results, performance or achievements of the Company to be materially different from any future results, performance or achievements that are expressed or implied by statements and information in the Report, including, among others, risks or uncertainties associated with the Company's business, segments, development, growth management, financing, market acceptance and relations with customers, and, more generally, general economic and business conditions, changes in domestic and foreign laws and regulations, taxes, changes in competition and pricing environments, and fluctuations in currency exchange rates and interest rates. None of the Company or any of its subsidiaries or any such person's directors, employees or advisors provide any assurance that the assumptions underlying forward-looking statements expressed in this Report are free from errors nor does any of them accept any responsibility for the future accuracy of such forwardlooking statements.

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