Dear Friends,

The Hepatitis B Foundation has enjoyed one of its most productive years despite the economic downturn. We are pleased to report that our work has been a bright spot in one of the toughest years.

This year we have focused our efforts on making the greatest impact on some of the greatest unmet needs. This includes establishing consensus recommendations for hepatitis B screening and treatment of children who live with this disease and for primary care providers who lack clear guidelines.

Research results take longer, but we have impressive and tangible results to share, too. This year, the liver cancer biomarker that we helped to discover has been optioned to a major diagnostics company. If all goes well, this blood test will be available for human use within the next couple of years.

So, if this is what we can accomplish in a tough year, it has only got to become easier! Thanks to all of you for your continued support, donations and confidence in our mission.

Sincerely,
Timothy M. Block, Ph.D.
President and Co-Founder
Joel D. Rosen, Esq.
Chairman of the Board

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**YEAR IN REVIEW**

**FINANCIAL INFORMATION**

<table>
<thead>
<tr>
<th>Source of Funds – HBF &amp; IHVR Combined</th>
<th>Total ($4,028,054)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grants</td>
<td>$3,649,257</td>
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<tr>
<td>Charitable Contributions</td>
<td>$349,842</td>
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<tr>
<td>Interest &gt; 1%</td>
<td>$10,753</td>
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<td>Other 4%</td>
<td>$394,162</td>
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**Uses of Funds – HBF & IHVR Combined**

<table>
<thead>
<tr>
<th>Use of Funds</th>
<th>Total ($2,222,270)</th>
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<tbody>
<tr>
<td>Research</td>
<td>56%</td>
</tr>
<tr>
<td>Outreach and Education</td>
<td>21%</td>
</tr>
<tr>
<td>Public Health</td>
<td>4%</td>
</tr>
<tr>
<td>Supporting Services</td>
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<tr>
<td>General and Administrative</td>
<td>14%</td>
</tr>
<tr>
<td>Child and Education</td>
<td>2%</td>
</tr>
<tr>
<td>Training</td>
<td>5%</td>
</tr>
<tr>
<td>Other</td>
<td>5%</td>
</tr>
</tbody>
</table>

**Sources of Funds – HBF & IHVR Combined**

<table>
<thead>
<tr>
<th>Source of Funds</th>
<th>Total ($4,322,068)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grants</td>
<td>84%</td>
</tr>
<tr>
<td>Charitable Contributions</td>
<td>11%</td>
</tr>
<tr>
<td>Interest &gt; 1%</td>
<td>2%</td>
</tr>
<tr>
<td>Other 4%</td>
<td>6%</td>
</tr>
</tbody>
</table>

**Research**

56%

**Outreach and Education**

21%

**Public Health**

4%

**Supporting Services**

5%

**General and Administrative**

14%

**Child and Education**

2%

**Training**

5%

**Other**

5%

**Building for a Cure**

HBF’s groundbreaking for the expansion of its research facility to build nine new labs, which includes a teaching lab, represented a bright spot during a tough economy. Funding for the $4.4 million renovation project was provided in part by the HBF and its research organization, the Institute for Hepatitis and Virus Research, and Univerist.

**PA state senator Chuck McIlhinney (3rd from right) and PA Congressperson Patrick Murphy (2nd to right) and PA state representatives Marguerite Quinn (center) and Kathy Watson (right) joined HBF to lend their support at our groundbreaking ceremony at the PA Biotechnology Center (Jan 2010). HBF manages and co-owns the Center, which it created in 2006 to accelerate its research mission.**

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**LIVING SCIENCE**

- Biomarkers of liver cancer enter advanced option development with Abbott Diagnostics (Block et al)
- Biomarkers of liver fibrosis are good enough to advance to testing in 15,000 people with Johns Hopkins University in an NIH-funded study (Mehta et al, in progress)
- Primabody, marker of infectious disease, validated in animal studies (Chen/Romano et al, in preparation)
- Liver carcinoid drug successfully completes Phase II human studies (Cuconati et al, in progress with Callisto, Inc.)
- Urine DNA test for colorectal cancer and polyps and liver cancer gets major award from the Coulter Foundation (Su et al)
- New drug (alkylated porphoryn) discovered that inactivates HBV, HCV, & HIV without harming mammalian cells (Guo et al, submitted 2010)
- Gucovir drug enhances immune attack against hepatitis B in woodchucks (Norton et al, Hepatology 2010)
- Liver cancer drug to be tested in animals (Cuconati et al, in progress)
- New glucovir compound protects animals from Dengue disease (Chang et al, submitted 2010)
- Serum micro arrays can represent 8,000 different people on a single small “chip” (Chen et al, submitted 2010)

**“We appreciate the [HBF’s] continued support of the Hep B community. With the addition of a second adopted child with hep B into our family, we obviously are supportive of your efforts in research and education.”

New Jersey**

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**HEPATITIS B FOUNDATION**

The only national nonprofit organization solely dedicated to those affected by hepatitis B.

**MISSION**

The Hepatitis B Foundation is a national nonprofit organization dedicated to finding a cure for those affected by hepatitis B worldwide through research, education, and advocacy.
State Recognition for HBF Research

In a special ceremony at the state capital, PA Governor Ed Rendell announced new grant awards to support the important work of research groups that included the HBF and its research institute – the Institute for Hepatitis and Virus Research (IHVR) – which is led by HBF/IHVR president Dr. Timothy Block (far left). June 2010.

International HBV Meeting 2009

HBF coordinates this prestigious international scientific meeting each year that attracts hundreds of researchers from around the world to discuss the science of hepatitis B and D viruses. This year the meeting was held in the beautiful Loire Valley in France.

2009 Meeting co-chairs Dr. Camille Sureau (Francia) and Dr. Stephen Locarnini (Australia) model the unique HBV ties given by HBF at the concluding banquet dinner. (Oct. 2009)

Bruce Witte Lecturer 2010

Dr. T. Jake Liang (left), from the National Institutes of Health, gave the 9th Annual Bruce Witte Lecture about “Choreographing the Tango between Hepatitis C Virus and Cells by Functional Genomic Screen.” The lecture series was established by HBF co-founders Paul and Janine Witte. (April 2010)

HBF Distinguished Scientist Award 2010

Dr. R. Palmer Beasley (center), accompanied by his wife and research collaborator Dr. Lu Yu Wang, received the Distinguished Scientist Award from HBF president Dr. Timothy Block (left) and Nobel Laureate Dr.Baruch Blumberg (right) at the Crystal Ball for his seminal HBV research conducted in Taiwan that identified mother-to-newborn transmission and the fatal link to primary liver cancer. He served as Chair of the National Academies Institute of Medicine (IOM) committee that published a report on Janine Witte (April 2010) 2010. (April 2010)

Summer College Research Internships provide a wonderful (and paid) opportunity for students to work on an independent research project with senior scientists for a 10-week period. Funding is provided by grants from the PA Department of Health, Merck’s West Point Charitable Contributions Committee, and the Charles Sigety Family Foundation.

The High School Enrichment Program offers a two-week “hands-on” experience in a professional lab for students entering their senior year. Interactive seminars led by leaders in the field introduce them to careers in science, medicine, patent law, public health and more. This program is supported in part by Pennsylvania EITC funds received from Universal Health Services of Delaware and Wal-Mart Stores, Inc.

The Apprenticeship Program is designed for the recent college graduate who wants to gain real-life research experience before making a decision to pursue graduate or medical education. They receive valuable mentorship and encouragement to become deeply involved in their research projects and to participate in the intellectual world of scientists through research rounds, journal clubs, and special seminars.

"Working as a young scientist is a unique experience. Many doors of opportunity have opened for me to and others like me in the HBF lab. We are encouraged to be unafraid in our insights, and to realize that every new discovery comes from both standing on the shoulders of giants and from pioneering new ideas.”

Anne Lamontagne, former Research Apprentice now in graduate school.

TRAINING YOUNG SCIENTISTS

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Anne Lamontagne, former Research Apprentice now in graduate school.
CALAEBRA YEAR 2009 DONATIONS

Thank you to all of the individuals and organizations that have generously supported the Hepatitis B Foundation. We truly appreciate everyone who has contributed to advancing our Cause for a Cure!

BENEFACTORS’ SOCIETY
$5,000 - $9,999

Visionary Circle
$10,000 and more

Guest Charitable Trust
Kahn Charitable Foundation
Universal Health Services of Delaware

Global Circle
$5,000 - $9,999

Timothy and Joan Block
Joseph Potz and Pam Norton
Charles Reynolds and Katharine Holloway
Tulchin Family Foundation

Founders’ Circle
$2,500 - $4,999

Bugajewski Facility Services
CCG Metamedia
High Swartz, LLP
W. Thomas and Linda London
Research Triangle Institute
Univest
Wal-Mart Stores, Inc.

President’s Circle — $1,000 - $2,499

AIG Matching Gifts Program
Amper, Pullitzer & Mattia, LLP
Bank of America United Way Campaign
Begley, Carlin & Mandio, LLP
Stanley and Gervi Broadway
Faith Calhoun
Delaware Valley College
Discovery Chicago
Drexel University College of Medicine
Esterly Family of The Pittsburgh Foundation
Fox Rothschild, LLP
Glennmede Trust Company
Matt and Anne Greene
Hawaii Community Foundation
Grace John
R. Donald and Martha Leedy
Robert Loughery
Anand and Valerie Mehta
Microsoft Giving Campaign
Pharmavide
Phumbline Construction
Quakertown National Bank

Global Outreach

The hepatitis B virus was discovered by
HBF’s Distinguished Scholar Dr. Baruch Bloomburg (for which he won the Nobel Prize) at Fox Chase Cancer Center in Philadelphia, and he invented the hepatitis B vaccine that is now manufactured by two companies located in the region. The first animal discovered to be most useful in studying hepatitis B was an infected groundhog living at the Philadelphia Zoo. And the only national nonprofit dedicated to this disease, the Hepatitis B Foundation, was established in Philadelphia as well.

Making the Rounds

HBF continues to make an impact on clinical practice through its specialty workshops. The pediatric HBV workshops we convened to focus on children has resulted in the first national recommendations for their care and treatment; and this year’s workshop with leading primary care providers (PCPs) established recommendations for hepatitis B in busy primary care settings. All of the HBF clinical workshops were facilitated by HBF medical advisors Drs. Brian McMahon and Thomas London.

A Social (Networking) Butterfly

HBF has entered the dawn of a new era where technology and human connections have blended to create the ultimate interactive experience — Social Media Networking. We are joining the global conversation, so please log on to our new social media venues to keep in touch!

Hepatitis B
The Philadelphia Story

On June 15, 2010, HBF launched Hep B Free Philadelphia, a public health campaign based on the successful model in San Francisco. Hep B Free aims to increase screening and vaccination rates through a citywide mobilization effort. HBF’s campaign also returns hepatitis B to the forefront in Philadelphia, which has been at the center of the hepatitis B story from the very beginning.

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Drug Discovery
Takes Center Stage

HBF established this year the PA Center for Drug Discovery (PCDD) as an innovative program of its research institute, the Institute for Hepatitis and Virus Research, to accelerate the translation of biomedical discoveries into therapies for clinical evaluation in humans. Our PCDD program encompasses activities to improve efficiencies in early drug discovery research and to help integrate senior scientists back into the workforce who have been laid-off from companies that have downsized during the tough economy (we call this our “Up and Out” program which has been well-received).

IN THE COMMUNITY

HBF revamped its annual patient conference into a mobile event that touched down on both U.S. coasts in Philadelphia and Los Angeles, with Seattle, WA slated to round out the 2010 itinerary. The B Informed Now! Patient Workshops on hepatitis B and liver cancer attracted almost 300 people at each site and offered free HBV screenings as well. Featured keynote speakers included Drs. Emmett Keeffe (Stanford U), Hie-Won Hann (Thomas Jefferson U), and Kenneth Rothstein (Drexel U). Sessions were offered in English with headsets provided for live translations into Chinese and Korean. Podcasts of the workshops are now available in all three languages on our website at www.hepbf.org.

B Informed Now!

Breaks the Barriers

HBF launched Hep B Free Philadelphia, a public health campaign based on the successful model in San Francisco. Hep B Free aims to increase screening and vaccination rates through a citywide mobilization effort. HBF’s campaign also returns hepatitis B to the forefront in Philadelphia, which has been at the center of the hepatitis B story from the very beginning.

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ADVOCACY ON THE HILL

5 Million Americans Silent No More!

HBF helped to organize the first World Hepatitis Day Rally on May 19th in Washington, DC with the National Viral Hepatitis Roundtable which sponsored the event. More than 50 HBF researchers, outreach staff and board members traveled to the Capitol to advocate for increased federal attention and funding for chronic hepatitis. With more than 5 million Americans living with hepatitis B and C, we cannot be silent anymore.

Landmark IOM Report on Hepatitis and Liver Cancer

HBF is proud to have been a key participant in the Institute of Medicine (IOM) study that looked at the U.S. response to chronic viral hepatitis. The landmark IOM report on Hepatitis and Liver Cancer concluded that, “The current approach to the prevention and control of chronic hepatitis B and hepatitis C is not working” and that “inadequate resources are being allocated” to address the needs of 5 million affected Americans. The IOM committee met over an 18-month period and included two HBF scientific advisers — Drs. Harvey Alter and Brian McMahon — and HBF director of Public Health Research Dr. Alison Evans.

“ Our daughter was adopted from China and most likely infected at birth. Your work to increase awareness of HBV will surely lead to more extensive research, and — pray—an eventual cure. Thank you.” (Minnesota)

PA Congressman Patrick Murphy stands with the HBF at the historic World Hepatitis Day rally in Washington, DC.

Congressman Mike Honda sounds the alarm at the World Hepatitis Day rally.

HBF co-founders Timothy and Joan Block (standing, center) were invited to present U.S. advocacy successes at a workshop in Beijing to discuss better policy coordination for hepatitis B in the Asia Pacific. The workshop included leading clinicians in the region and other international groups. Discussions revolved around the need to identify public policy issues that impede optimized screening and linkage to care, and to develop practical strategies to reduce the burden of hepatitis B. At the conclusion of the workshop the decision was made to establish a new independent, multi-disciplinary group — Coalition for Eradication of Viral Hepatitis in Asia Pacific (CEVHAP) — and HBF is proud to be a charter member.
CALENDAR YEAR 2009 DONATIONS (continued)

Outreach Circle — $500 - $999
Matthew Adiai-gail
Barbara Allen
Debra Andrews
Michael and Iris Aretaki
Artisans Gallery
Richard Baden
Eileen Beck
Susan Bellaisa
Patricia Benham
Brait Biehn
Earl Bierman
Bob Bowman
Matt Bachinski
Jose Maria Casas
Garrett Chang
Gary Chen
Francis and Linda Chiari
Marc and Ann Cleftefield
Allison Coulibaly
David Craig
Suzanne Creilley
James and Carol Curry
Loren Danzis
Gregory Darios
Erica Litschi
Michael and Iris Artaki
Barbara Allar
Matthew Adlai-gail
Evan Deseo
Suzanne Creato
Donna Crittenden
John Diffenderfer
Amy Zipp

Outreach Circle — $100 - $249
Paul and Laura Hunter
Barry and Yoli Kahn
JP Morgan Chase Employee Giving
Suzanne Jeakle
Joel Bresler
Joanne McLaughlin
Teddi McLaughlin
Pfizer United Way Campaign
Amy Zipp

Outreach Circle — $250 - $499
Jan Iwata
Sherry Jean
Bonnie Jung
Margaret Kenan
Alan Keim
Robert Kelley
Dan Kilcup
KT Foundation
Albert Ku
Shahla Kulkarnis
Michael and Jan Landis
John and Barbara Leavy
Rachel Leffkowitz
Kathy Licht
Jun Lau
Scott and Darryl Mackeverean
Shing-Won Man
Gerard Marini
Donna Mattos
Patti McIlvenn
Jim McGowan
Brian McMahon
Ed Meyers
Patti Macaluso
Joanne Moroney
Richard Moyer
John Nardin
Clyde and Malee Ng
John and Joanna Nonini
Lauren Nonini
Eleanor Orth
Edward Peritz
Janet Peper
Pina’s Pizza of Chalfont
Bill Royal
Edward Peritz
Lester Sdorow
Lester Sdorow
Bruce and Eva Marie Lauer
Bruce and Eva Marie Lauer

Outreach Circle — Up to $99
Kathy Cresey
Brian Dang
Raymond D’Auria
R. Kimber and Christine David
Angelo DeMeco
Maria Castrigno
Carlo Mancini
Sejong Dong
Paul Dominguez
Patrick and Maureen Cronin-McLaughlin
Reggie and Neema Chong Michael
Richard and Renee Haliburton
Eric and Elizabeth Cohen Hamblett
Glen Hammond
Hunt Hawkins
Marc Helman
Helenbach Family
Max Holt
Alfred and Evelyn How
Becky Habbard
Kevin Hull
Steven and Jon & Ann Hurley
Laurie Bueker
Jackie Besson
Priscilla Bizot
Geraldine Block
Pual Burton
Joy canvas
Gina Carara
Barbara Kilgallon
Jason King
Sara Shupe
Evan Deseo
Suzanne Creato
Donna Crittenden
John Diffenderfer
Amy Zipp

Hepatitis B Foundation

CORPORATE AND FOUNDATION GRANTS
AAPCO
Bayer
Bristol-Myers Squibb
GlaxoSmithKline
Idexx
Johnson & Johnson
Merck & Co.
Merck West Point Charitable
Contributions Committee
Novartis
Onyx
Vertex Pharmaceuticals

FEDERAL AND STATE GRANTS
National Institutes of Health
Pennsylvania Department of Health

We apologize for any errors or omissions in the list below, despite our best efforts to be as accurate as possible. Please contact editor@hph.org or call 215-489-4900 so that we can print corrections in our next newsletter. Thank you.
Hepatitis B is an enormous global health problem.
- 2 billion people worldwide have been infected by hepatitis B. (1 out of every 3)
- 1 million people in the world die from hepatitis B each year.

Hepatitis B causes 80% of primary liver cancer worldwide.
- Liver cancer is the 3rd leading cause of death in the world.
- In the U.S., liver cancer rates are increasing as most other types of cancer are decreasing.
- The hepatitis B vaccine is the 1st anti-cancer vaccine — by preventing a hepatitis B infection.

There is no known cure for more than 400 million people worldwide living with hepatitis B.
- Hepatitis B is preventable and treatable — now let’s make it curable!

Learn more about hepatitis B and the important work of the Hepatitis B Foundation by visiting www.hepb.org.